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The JOURNAL OF THE DEPARTMENT of AGRICULTURE

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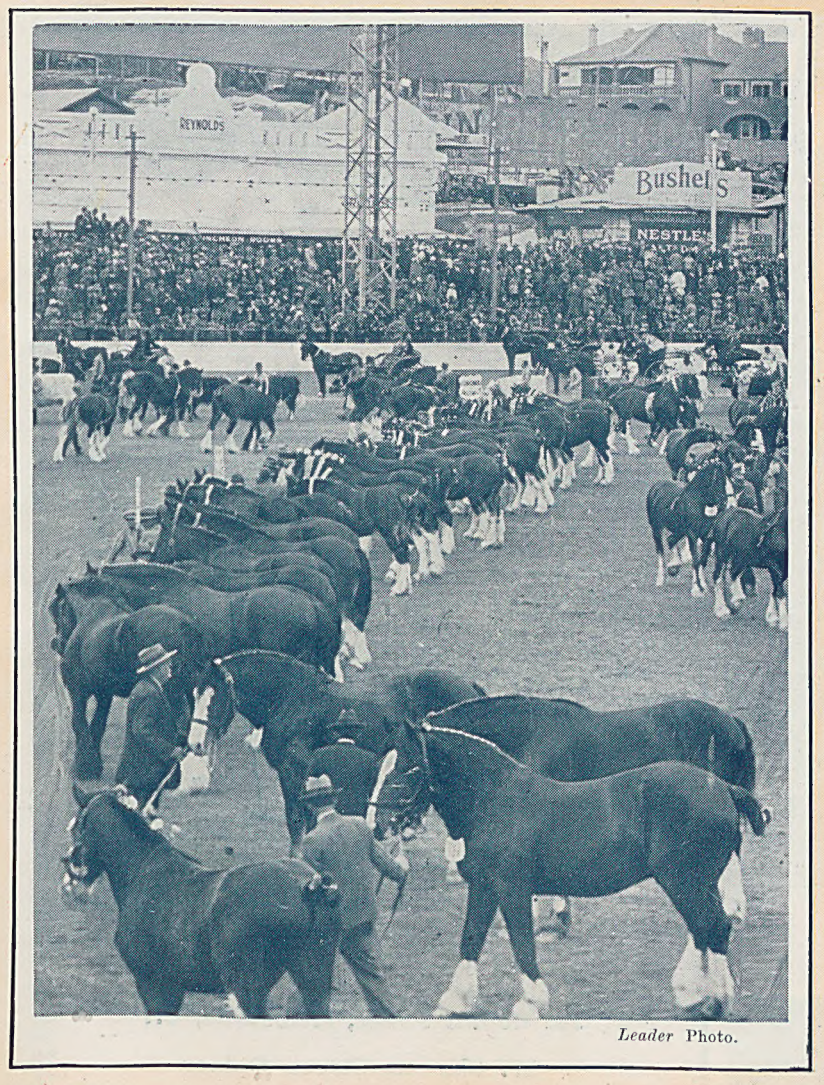

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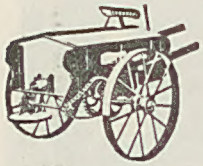

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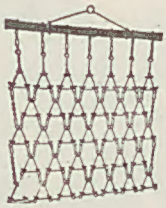

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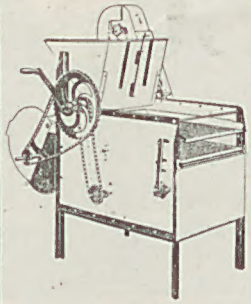

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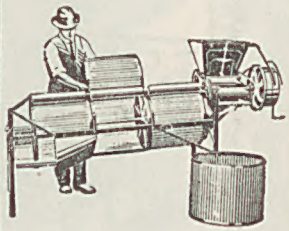

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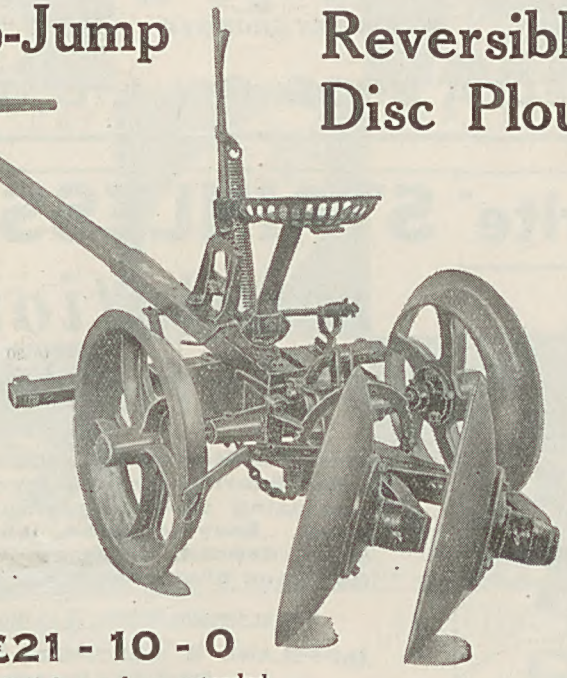

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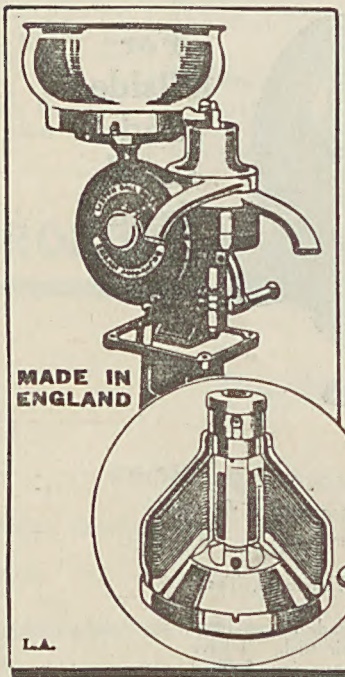

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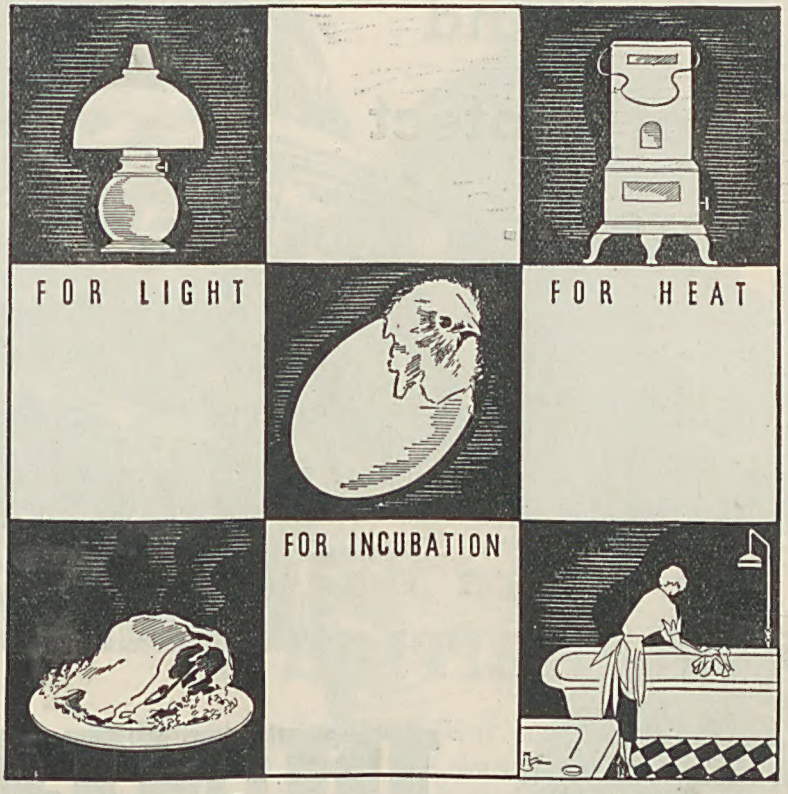

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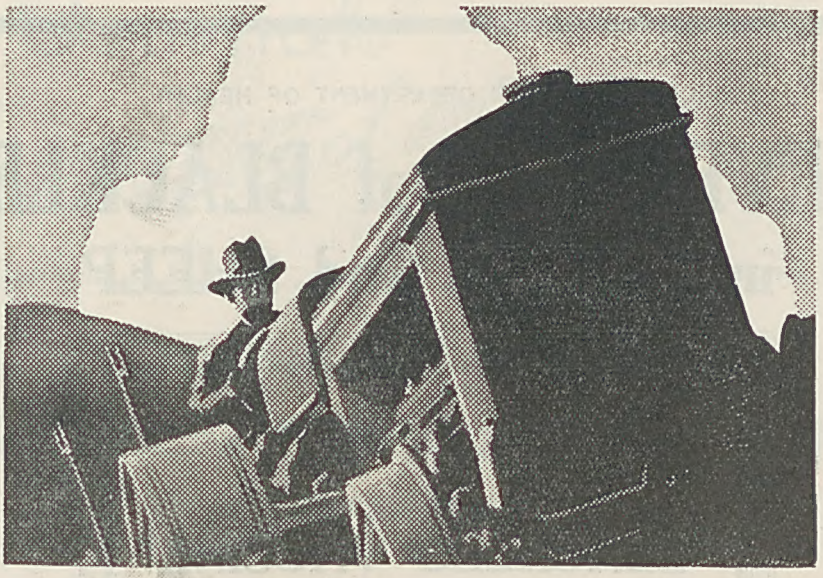

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Pasture Improvement Work

Results of Trials

Third annual report on the pasture experimental work conducted by the Department of Agriculture under arrangement with the Victorian Pasture Improvement League.

THE experimental work conducted by the Department of Agriculture for the Victorian Pasture Improvement League was begun early in 1932, and a description of the progress of the experiments during 1932 and 1933 was given in the first and second annual reports, which were issued early in 1933 and 1934 respectively.

The experiments have been continued on the original sites, and for the most part the results obtained during 1934 have been similar to those which were obtained in the first and second years. Some extensions were made to the plots during the past year, but, in the main, the work consisted of carrying on with the original programme of experimental work.

The results obtained during 1934 have generally confirmed those of the previous years with the exception, however, that in a few cases during the past spring some plots which hitherto had not shown any benefit from the application of superphosphate showed good results from its use. Probably this would be due to the abnormal weather conditions experienced, for, after the dry autumn, good growing conditions were experienced in the winter, and this was followed by unusually heavy spring growth.

Swards on the sown-down areas have reached a stage when the relative persistency of the various species is being subjected to the conditions which usually prevail on a normal pasture, and only those species capable of competing and persisting under competitive pasture conditions survive.

The rotational grazing areas, during the past year, usually have shown a greater contrast in comparison with the unmanured areas than was seen in the first two seasons. This would partly be accounted for by the fact that the residual effect of the previous dressings of superphosphate which the unmanured areas usually had received is becoming exhausted, but also to the fact that there has generally been a material building up of soil fertility on the plots receiving the annual dressings of superphosphate. The difficulty experienced in the previous years of obtaining grazing records which could be regarded as a reliable measure of the growth of feed on the rotational grazing areas has been experienced again during the past year.

Owing to the fact that the stock graze the grass of the topdressed plots greedily and are reluctant to eat that on the "no manure" plot, the period for which they are grazing on the plots gives no measure of the feed consumed. Since the difference between the manured and unmanured plots has become more marked in the past year, some small differences in the

amount of grazing derived from these plots have been recorded, but the grazing days obtained show a small increase only compared with the obvious difference in the pasture growth on the respective plots. From the results of these trials, it is apparent that large differences in growth between the various treatments would have to be obtained before any differences would be shown in the grazing records.

The most useful purpose served by these grazing plots is in providing a check on the composition of the sward on the mowing area, and to determine what effect accumulated fertility will have on these grazed plots, to which the produce is returned as dung and urine. While these areas have shown the advantages to be derived from the subdivision of large paddocks and the provision of frequent changes for dairy stock, they have served also to emphasize the extreme difficulty in a system of intensive rotational grazing of keeping the growth in hand during the spring months.

The swards on the mowing areas have maintained a high state of productivity during the past spring, and, except for the Yarragon site, they have not, as yet, shown any material lowering of vigour as a result of the continued removal of the produce. It had been expected that these plots would have shown a rapid falling off in productivity as a result of the complete removal of the grass clippings, and it was thought also that this effect might have become sufficiently marked to invalidate the results from these plots. So far, the lowering in productivity as a result of this treatment has been very small, and the results from the mowing trials can be accepted as an accurate measure of the initial effect of the fertilizer on the pasture.

Weather Conditions during 1934.

Hot, dry conditions were experienced in midsummer, and exceptionally hot weather followed during March. Good rains were received in the Western District late in the autumn, and as these were followed by a mild winter and good growing conditions, the pastures there made good growth, and provided ample feed.

Gippsland was not favoured to the same extent, and most paddocks were grazed out very bare during the autumn and winter. In both districts, however, unusually favorable growing conditions were experienced early in the spring, and, with the continued spring rains, the season was one of the most prolific on record. As a result, very large quantities of grass hay have been cut and stacked, and this material will provide valuable fodder reserves. The weather for hay-making was rather difficult in Gippsland, and, in some cases, the grass hay was damaged by the soaking rains but, in the Western District it was cut and stacked under good conditions.

In the Western District, subterranean clover made good growth early in the season, and has been prominent throughout the year. In Gippsland, the late spring rains benefited the later growing species, and cocksfoot, red and white clovers made vigorous growth late in the season. Here again the aftermath growth on pastures cut for meadow hay has been exceptionally prolific, and later provided excellent grazing.

The Autoscythe which has proved so successful in removing tall growth from the plots.

Botanical Surveys of Plots.

Botanical surveys have been made on all plots from time to time throughout the year, and the records show that large differences in the composition of the sward frequently have been brought about as a result of the various treatments. The alteration in composition usually has been brought about as a result of the competition between tall and lowly growing species, and, where the growth on a sward has been kept at a longer stage, either through stimulating growth by means of manures or by allowing longer periods between grazings, then the taller growing forms have been encouraged to the detriment of the smaller plants. In this manner, hard, close grazing favours the growth of white and subterranean clovers, whereas lenient grazing favours the taller growing grasses such as cocksfoot, Phalaris tuberosa, prairie grass, perennial rye-grass, and the vigorous growing annual grasses. The maintenance of a pasture in the condition aimed at under the intensive rotational grazing scheme, namely, feeding off at the 4 to 5-in. stage, would tend to hold an excellent balance between the grasses and clovers.

In the sections sown to pasture mixtures, marked differences have been recorded in the composition of the various plots, but, in the manurial trials, the differences in composition are confined to those plots which have been stimulated in growth as a result of manurial treatment. Early spring dressings of nitrogen have had a marked effect in reducing the clover content of the swards, usually as a result of the stimulus given, particularly to perennial rye-grass and the annual grasses, at this time of the year. In some cases this has occurred to the detriment of the sward where the repeated dressings of sulphate of ammonia during the past three years have resulted in the almost complete elimination of the clovers. These are essential for the maintenance of vigorous production in a pasture, and when they have been suppressed the yield of the treated plots has dropped materially.

Field Days.

Experimental pasture work is seldom of a spectacular nature, although at the time of the annual field day the plots usually showed marked differences due to the various treatments. The purpose of a field day is primarily to draw the attention of the farmers to the existence of the plot and to acquaint them with the results obtained. In most cases a good deal of local interest has already been aroused in the experiments, and it is usual to find that the district farmers soon become acquainted with any outstanding results. This, together with results and conclusions which are published from time to time in the daily and weekly press, constitutes an unobtrusive, though very effective, method of disseminating the information obtained from the experimental plots.

Maintenance of Plots.

The annual dressings of manure were applied to all plots during April, and those plots receiving supplementary spring dressings were treated early in August. The plots have been kept under close observation throughout the

The Autoscythe cleaning up long grass on one of the experimental plots.

year, and records of the resultant growth following on the various treatments have been made at frequent intervals. The results shown for the pilot plots (Tables XXV. to XXVII.) and the sown sections of the major plots are based upon observations only, but in the case of the manurial trials on the major plots, accurate measurements of the growth on these areas have been made at intervals throughout the year.

The alterations which were made to the motor mowers during the previous year to enable them to cut the pasture at a longer stage have proved most successful. The new cutting cylinders have proved both strong and durable, and have effected a considerable saving of time in mowing the plots. By their use it has been possible to cut the plots when the pasture has reached a condition which would approximate to the stage of growth at which it would be fed off under the rotational grazing system. The influence which governs the survival and dominance of the species on most of our dairy pastures is, in the main, mechanical, and the stage of growth at which a pasture is kept or cut has a most important influence on the botanical composition of the sward. On paddocks which are subjected to intensive rotational grazing the stock show very little selective action in their feeding, but graze the whole plot off uniformly, leaving only rank patches caused by animal droppings. So far, the swards on the mown manurial areas have not been materially altered by the repeated mowings, and are still very similar in composition to the adjoining grazing paddocks.

Flat weed and plantains which usually become prominent in a sward under repeated close mowing have not increased to any extent on most of the plots. With pastures cut at infrequent intervals, these weeds are either smothered out, or adopt an erect habit of growth, and are defoliated with the remainder of the pasture. Procumbent weed growth usually has become prominent on the unmanured plots, for here the pasture growth has not been sufficiently strong to either choke the rosette forms, or to cause them to develop the erect habit, and they escape the mower. Exactly similar action has gone on in the grazing paddocks where the unmanured areas show a marked increase in the proportion of weeds present.

Very strong growth was made on all of the rotational grazing plots during the past spring, and considerable difficulty was experienced in keeping these small paddocks in a pasture condition, and preventing the grass from running to seed.

On the mowing areas the grass made very vigorous growth in the spring, and being hampered by continued wet weather, the mowing of these plots was frequently delayed. In some instances, the grass had become so long that it was necessary to "top" the plots with the Autoscythe before proceeding to cut them in the usual manner with the motor mower. In no case, however, did the plots get out of hand and upset the accuracy of the trials. With the newly acquired Autoscythe and the converted motor mowers the growth on the plots can now be accurately measured, no matter what stage of growth is reached.

In common with the surrounding pastures, the pilot plots made very strong growth during the spring, and, as it was difficult to feed off these small areas evenly when the pasture had reached that stage, it was necessary to mow and remove the growth from most of them. The Autoscythe proved invaluable for this purpose, and its use has enabled the plots to be kept in good order.

SUMMARY OF RESULTS.

Manurial Trials—Mowing (weighed) and Pilot (observation) Plots.

The first dressings of fertilizer were given during the autumn of 1932, and, except in the cases of lime and Ephos phosphate, annual dressings have been applied since that time.

The lime, which was generally applied as carbonate of lime, was given at the rate of 1 ton per acre in 1932 only. Other trials with quicklime, slaked lime, and ground limestone have been conducted since then. Sufficient time has now elapsed to permit all these materials to exert any beneficial action, and, where this has not yet occurred, it is reasonable to assume that it is not likely to show up in the future. So far, no plots which failed to show any appreciable benefit during the first year as a result of the lime treatment, have given any material delayed response since that time.

Rank patches of cocksfoot on a grazing plot.

Superphosphate.

The excellent response obtained from the use of superphosphate has been the outstanding feature of these trials. On the lighter soils and poorer pastures the response to this fertilizer usually has been most marked, but, even on good pastures, excellent responses have still been obtained from its use. Early in the past spring, some of the plots which had previously given little response to superphosphate showed short, sharp increases from its use. This would probably be accounted for by the unusually heavy growth that was made this year. Usually, the readily available supply of phosphoric acid in these soils is sufficient to maintain good growth during the spring, but, with this abnormally heavy growth, the plant food in the soil could not fully meet the demands of the pasture and the additional amount provided by the top-dressing would enable extra growth to be made.

From these experiments which have been conducted in the high rainfall districts of the State, it would seem that the poorer the pasture the bigger the response to top-dressing. Almost invariably shallow soils or light soils have given the most marked increases while the heavier loams and the deeper soils have been less responsive. On some of the rich volcanic areas of the Western District, where the phosphoric acid content of the soil is naturally high, and where the pasture consists of vigorous winter growing annuals, there has been no appreciable response to superphosphate.

The response to superphosphate has been most marked in the early spring and later in the season the differences between the manured and unmanured plots are less pronounced. Much has been claimed for the ability of nitrogenous manures to promote early spring growth, but, in this respect, on responsive soils, superphosphate does not lag much behind. Probably the superphosphate indirectly provides an increased soil nitrogen supply at this time of year by encouraging the growth of clovers, and by stimulating the activities of the nitrogen fixing organisms of the soil.

On the plots situated on the red hill country of Gippsland on pastures composed of cocksfoot and red clover, there has been very little response to superphosphate, although surounding paddocks of subterranean clover and native grasses have given good results. On the other hand, these cocksfoot-red clover pastures have shown unusual results from dressings of nitrogen and lime.

Cutting dense growth of perennial rye-grass and subterranean clover at Cudgee.

The plots given the heavier dressing of superphosphate, and which receive 3 cwt. per acre per annum have not shown any appreciable benefit in the early spring from the additional dressing. Late in the spring, the growth on these plots is sustained rather better than on the "superphosphate 2 cwt." plots, but, in most cases, the additional 1 cwt. per acre per annum has been of very little benefit.

Nitrogen.

Dressings of sulphate of ammonia usually have given a sharp increase in growth when applied in the very early spring. The autumn dressings have not been so successful owing to the weather conditions which, at that time, are not always favorable for assisting growth.

Under the conditions that exist in Victorian pasture soils there usually is a deficiency of soil nitrogen in the winter and early spring, and pasture growth is often checked for that reason. When sulphate of ammonia has been applied to a mixed pasture, there has always been a marked tendency to increase the growth of grass at the expense of the clover. Where there is plenty of clover present, this would not matter, but, where clover is not abundant, it is undesirable to reduce the proportion present. The clover in the pasture is the natural means by which nitrogen is obtained from the air and, if it is crowded out of the pasture, more harm than good will be done by the dressing. This effect has now become rather marked on the mowing areas where the repeated autumn and spring dressings of sulphate of ammonia have almost eliminated the clovers. This has resulted in a reduced yield which is not compensated for by the stimulus to growth given by the nitrogenous fertilizer. Occasional dressings to a pasture may be of benefit, particularly where it is desired to thicken up the rye grass, but repeated dressings have resulted in decreased vigour of the sward.

On heavy clay flats where the pasture frequently consists of almost pure rye grass, it has been found that early spring dressings of sulphate of ammonia sometimes give a very large increase in growth. Those soils do not respond well to superphosphate, and, in the absence of clover, there appears to be a very acute nitrogen shortage. Such pasture that was treated early in the last spring, made vigorous early growth and maintained the advantage throughout the spring.

Ephos Phosphate.

In a few cases, some response has been observed with this material, but, usually, it has given only a very slight increase in growth. Being a finely ground rock phosphate it would not be expected to give the rapid response shown by superphosphate, although it has now had sufficient time to exert its influence.

Blood and Bone.

The growth of these plots is usually intermediate between the untreated and the "superphosphate 2 cwt." plots. These usually show rather a higher percentage of grass than those receiving superphosphate only, but in view of the cost of this fertilizer and the poor response in comparison with superphosphate, its use for top-dressing pasture land cannot be justified.

Muriate of Potash.

Used in conjunction with superphosphate muriate of potash has shown small increases on some of the major plots in Gippsland, while at Larpent and Cobrico in the Western District the good responses obtained in the first two years have even been excelled during the past season. Small increases from its use have been observed on some of the pilot plots also. With potash the increase in growth is shown mainly by the extra vigor of the clover present, and this improvement has been sustained into the spring longer than is usual with either superphosphate or nitrogen.

Lime.

High grade carbonate of lime in a very fine condition was applied to strips on all plots early in 1932 at the rate of 1 ton per acre. Other forms of lime have been applied on some of the plots, but their effect appears to be identical with that of the carbonate.

In the majority of cases no benefit at all has been either observed or measured from its use, but on plots on the red hill country of Gippsland where applied with superphosphate and sulphate of ammonia, it has materially improved the pasture. The improvement here has been sustained during the third year, and lime treated plots now show a denser sward with more clover and less weed growth than those receiving superphosphate or sulphate of ammonia only. At Timboon the plots continue to show some improvement from the early dressing they received, but at Heywood, where a remarkable increase was obtained during the first two years, no benefit was observed during the past season even where the dressings were repeated.

Although on some pastures lime may give an increase in yield, in the majority of cases it will not be found to be of any appreciable value, and it should not be applied in large quantities unless there is definite evidence that it is improving similar land, or until some experimental strips indicate that it is likely to be of benefit.

Manurial Trials—Rotational Grazing Plots.

Observations made upon the rotational grazing plots indicate that their responses to manure have been very similar to those recorded on the mowing manurial areas. Very similar initial responses have been observed with both phosphatic and nitrogenous dressings, and the cross strips of potash which were not apparent during the first two years at Larpent and Cobrico, were quite marked during the past season.

Though, in some cases, there does not appear to be any building up of fertility following on the dressings of sulphate of ammonia, on the Gippsland hill country plots and at Yarragon, Larpent and Cobrico, the swards of the grazing plots treated with nitrogen show an improvement over those treated with superphosphate only. On the mowing trials at these centres the nitrogen treated plots do not

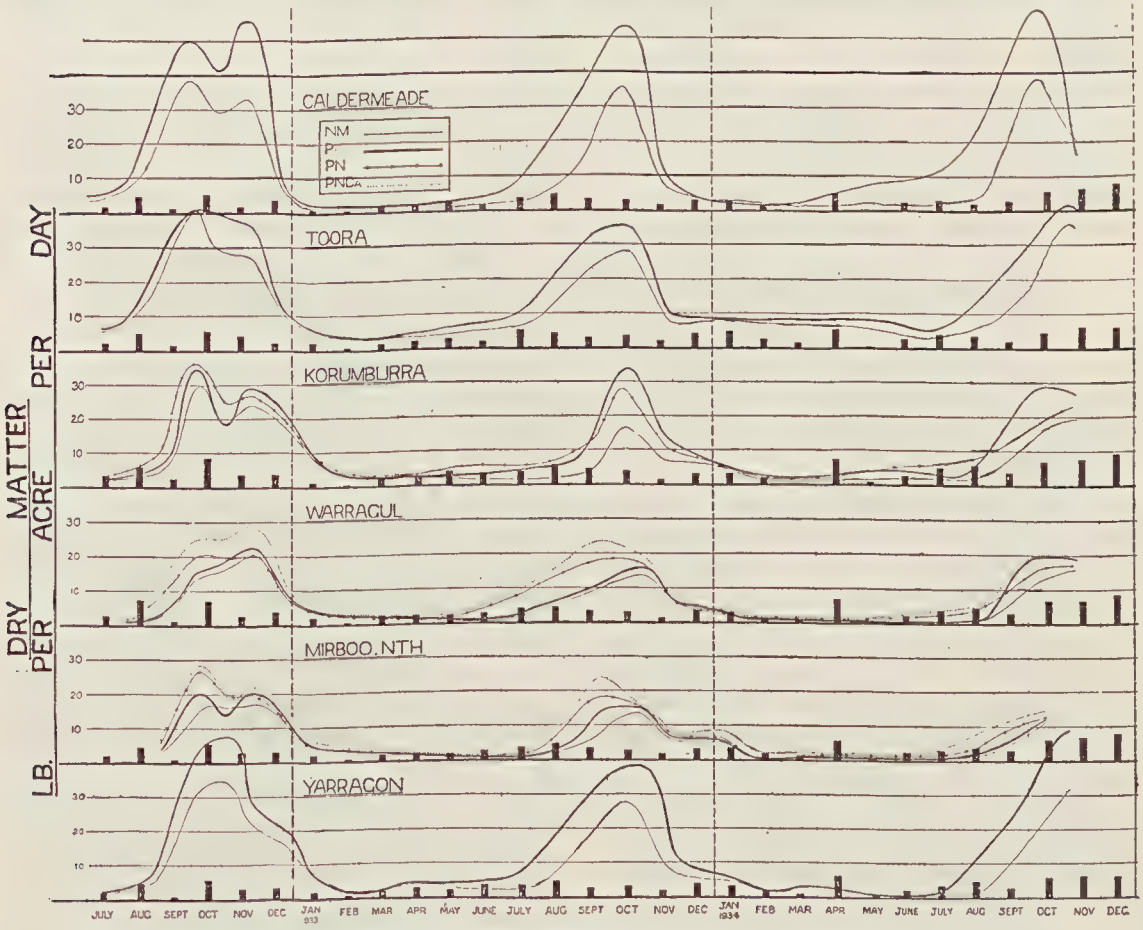
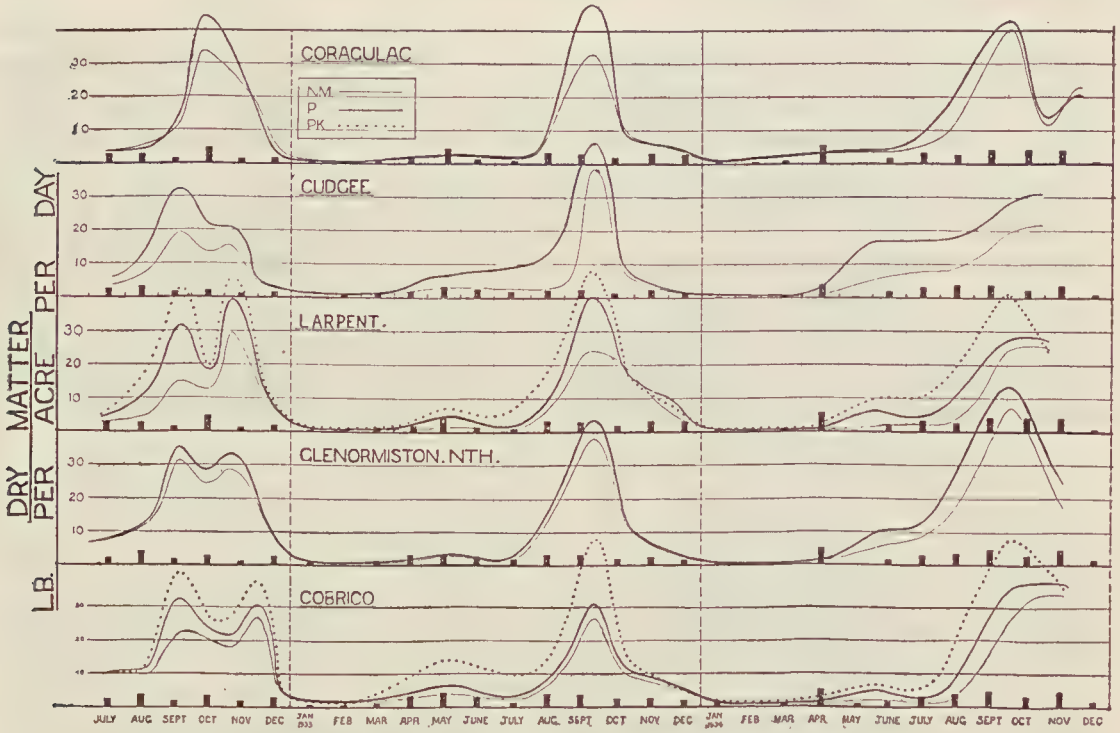


Fig. 1.—Showing seasonal growth of Gippsland pastures, and the effect of various manurial treatments during the period July, 1932, to October, 1934.

A complete range of manures was tried at all centres, but only those treatments which gave outstanding differences are shown. The manurial dressings, indicated in the legend, are as follow:—NM = No manure, P = Superphosphate 2 cwt. p.a., PK = Superphosphate 2 cwt. + muriate of potash 1 cwt. p.a., PN = Super. 2 cwt. + Sulphate of ammonia 2 cwt. p.a. (1 cwt. in autumn, 1 cwt. in spring), PNCa = Super. 2 cwt. + Sulphate of ammonia 2 cwt. (1 cwt. autumn, 1 cwt. spring) + Lime 1 ton p.a. (1932 only).

The small black vertical columns along the baselines indicate the monthly rainfall in inches.

Note the poor growth of the cocksfoot pastures on the red hill country of Gippsland (Warragul and Mirboo North).


CORACULAC
NM
P
PK
CUDGEE
LARPENT.
GLENORMISTON. NTH.
COBRICO
DRY MATTER PER ACRE PER DAY
LB.
JULY AUG SEPT OCT NOV DEC JAN 1933 FEB MAR APR MAY JUNE JULY AUG SEPT OCT NOV DEC JAN 1934 FEB MAR APR MAY JUNE JULY AUG SEPT OCT NOV DEC

Seasonal growth of Western District pastures.

For period of growth, manurial treatment, rainfall, &c., see explanation to figure on previous page.

show the same improvement, as on these plots there is no opportunity for any accumulation of fertility to take place.

The records of grazings obtained from the rotational grazing areas suggest that these plots have not made as much response to the manurial treatment as have the mowing plots. This result is due mainly to the difference in palatability of the growth on the plots and the preference that the stock show for the manured areas. Where the unmanured plots show poorer growth than the manured fields, the stock are reluctant to graze the untreated plots while the manured ones are eaten greedily.

Under these circumstances the stock do not consume feed in proportion to the time that they are on the plot, and the "grazing period" is not a satisfactory measure of the productivity of the fields.

Pasture Mixtures and Strains.

Fields each 2 acres in area were sown to various pasture mixtures and strains in autumn 1932. During the period of germination and establishment the plots had to contend with the initial weed growth which flourished following the breaking up of the land. Since that time vigorous weed growth has ceased, and that which now exists, though less conspicuous, is of a more constant and persistent nature than the early growth.

In the first season the annual and short-lived grasses and clovers made very vigorous headway, and at that time from a casual observation, it might have been assumed that these types would produce a better pasture than the slower developing perennial types. Subsequent growth on the plots, however, has illustrated the true position regarding these types, and we now find the plots sown to the annual species overgrown with weeds or volunteer pasture species, while the plots sown to perennial species have developed good swards.

In most cases, the rye-grass was outstanding during the first two years, but while it is still the dominant grass on most plots, it does not monopolize the position as it did in the first two years. Following on the breaking up of the land the general pasture growth was given a considerable stimulus, but now that the soil is reverting to its old compacted condition, it is noticeable that on the poorer land the rye-grass is losing its vigour. In such cases the plants of lower fertility requirements are more

in evidence, and either volunteer subterranean or white clover and weeds have entered the weaker swards.

In the early years there did not appear to be any appreciable difference between the New Zealand Hawke's Bay rye-grass and the local seed taken from old perennial pastures. During the third year, however, there have been indications that, on the Gippsland hill country where cocksfoot is usually prominent, the later maturing Hawke's Bay rye-grass may prove more persistent than the local rye. Persistency is the most desirable character in perennial pasture plants, providing that general productivity (and winter production in particular) is not seriously reduced. In the southern dairying districts of Victoria, perennial rye-grass is the dominant grass, and on the plots situated on heavy clay flats and the deep loams, it has grown very largely to the exclusion of other species.

A field day on the Warragul plots.

Cocksfoot has made very good growth on almost every plot, and while this was anticipated in Gippsland, its strong establishment and development in the Western District plots have been rather unexpected. Its growth there no doubt would have been greatly favoured by the good late rains of the past two springs. Usually this grass provides very poor winter and early spring feed, and while it is largely grown on the Gippsland hills, it would seem that it should have a definite place in the Western District where, under suitable conditions, it could provide useful late green feed.

Except in a few cases where it is making satisfactory progress, the growth of Phalaris has, on the whole, been disappointing. In the early stages, it made satisfactory establishment, but, since then, it has failed to develop, and still remains thin and sparse. Prairie grass grew well, particularly on the rich soils, during the first year, but now, after three years, very little of it remains on any of the plots. Timothy is present on many of the plots, but does not contribute much to the bulk of feed.

Chewing's fescue and brown top have survived and produced close swards on almost every plot, but these, with crested dogstail and Kentucky blue, illustrate the fact that persistency and productivity do not necessarily go hand in hand.

Yorkshire fog made vigorous growth during the first season, but, in many cases, it has now been crowded out by the better grasses and clovers. This usually is the case where strong perennial pastures have been established on good soils, but where the soils are poor, or the pasture is barely perennial, then Yorkshire fog remains prominent. Meadow foxtail, Paspalum, and Kikuyu persist now in a few unusual cases only.

In Gippsland the past season was rather unfavorable for subterranean clover, but it made very good growth in the Western District following on the good autumn rains. Subterranean clover, particularly where grazed short, continued green, and grew unusually late into the spring. The taller growing grasses on the Gippsland plots grew very strongly late in the spring to the detriment of the clovers, but where the pastures containing red and white clovers were cut for grass hay, these perennial clovers resumed growth strongly as a result of the late rains.

Alsike clover, Lotus major, and strawberry clover have done well in a few isolated cases only, but Lotus hispidus has made promising development under rather adverse conditions. Although the early growth of the lucerne in the small plots was satisfactory, it suffered greatly from insect attack before it was really well established. A further sowing of lucerne was made early in the past spring, but again the young plants were severely attacked by insects harbored in the surrounding growth. On larger areas the lucerne would not be attacked so severely, and would have a much better chance of developing.

A dressing of 1 cwt. of superphosphate per acre has been applied to the sown down area each year, but there are indications that, on

the responsive land, this amount could be increased with advantage.

Strips of sulphate of ammonia 1 cwt. per acre were applied across these areas early in the spring in the hope that they might have exerted a beneficial effect on the composition of the sward. Generally, these dressings did not show any material effect on the pasture either in growth or composition.

Weed Growth.

The nature of the weed growth to be contended with has varied greatly during the establishment, development, and this settling down period of the third year. Usually, on each plot, there has been a different group of weeds present, and, while during the first years, they consisted mainly of strongly growing temporary weeds produced as a result of the breaking up of the soil, those have now largely disappeared, and the existing weed growth consists of less vigorous, though more persistent, weeds characteristic of the established pasture land. Once again it is a matter of competition, and, although weeds are usually prominent on the weaker pastures, they are not much in evidence where the swards are strongly developed. Where annual or short lived species of a non-aggressive character have been sown in the plots, these strips are now occupied either by weeds or volunteer grasses and clovers.

At the present time, most fields are in good condition, and weed growth is only of minor importance. As a general rule, weed growth has been troublesome only where soil conditions have been unfavorable for pasture establishment either through excessive moisture or low soil fertility.

Pasture Survey.

Some work on the survey of pastures of the dairying districts of Southern Victoria was begun at the end of the 1933 season, and it was intended to continue this work late in 1934. It was found, however, that with the extra work involved in handling the growth during the past season with the recently depleted staff it was impossible to devote any time to this work.

Proposals for Future Work.

Although most of the work has been in progress for nearly three years, and many of the results of the manurial trials appear to be definite and conclusive, it is as yet rather early to claim these results as final. With the fields in their present condition, their continuance will not involve either much work or expense, and if it can be shown that the results of the first two years are essentially the same as would be obtained over a period of five or six years, then this could be regarded as a sufficient justification for limiting future manurial trials to two or three years, and regarding these results as final for that particular soil and pasture. It is certainly undesirable to prolong the duration of manurial trials unduly, but at the same time it is essential that correct deductions should be made, and care taken not to be led astray by abnormal results.

A. Rotational Grazing Trials.

While the figures obtained from these trials in the form of grazing days per plot are obviously unsatisfactory as a measure of the productivity of the various areas, the plots do provide a very useful check on the effect of the fertilizer on the sward, and the subsequent building up of soil fertility. As a check on the mowing trials, they have been invaluable, for they have demonstrated that, on ordinary soils, for a few years at least, the pasture can be subjected to repeated mowings and removal of the produce without any material alteration in botanical composition.

B. Pasture Mixture and Species Section.

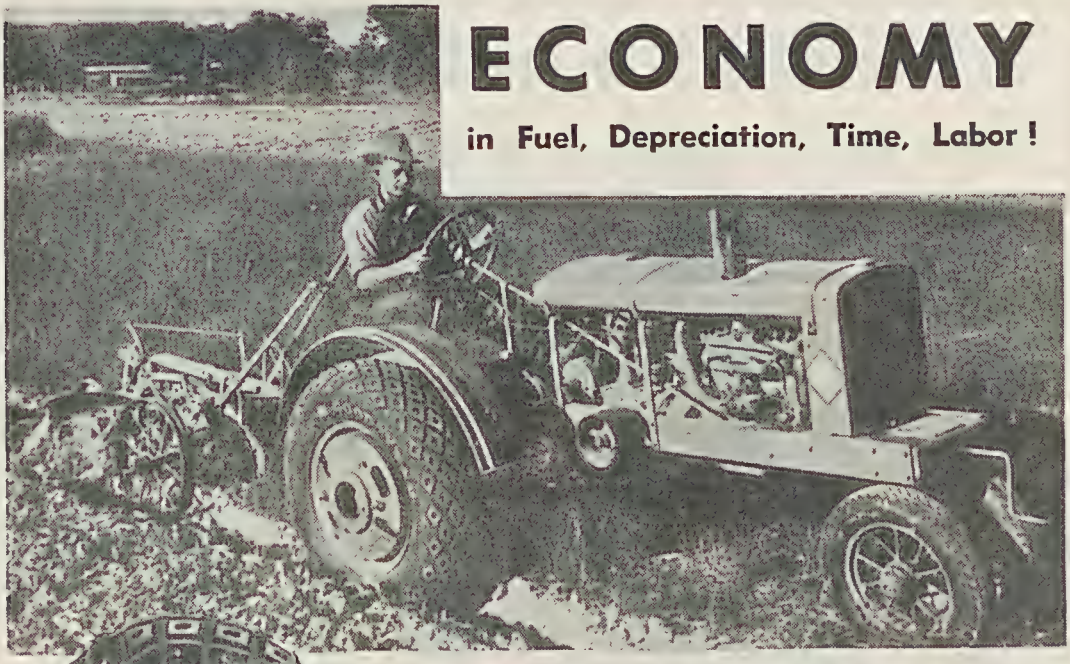
Realizing the importance of persistency in the maintenance of perennial pastures, it is apparent that this section of the trial will have to be continued for a longer period before a measure of this character of the pasture species can be obtained. Already as a result of this third year's experience, it is apparent that erroneous deductions were made, based on the evidence of the first two years' results.

C. Pilot Plots.

Similar objections to those outlined above exist in accepting the results from these plots as final both for the manurial and for the sown sections.

Lines of Investigation.

Where outstanding results have already been obtained, it is desirable that an attempt should be made to determine the applicability of these findings under practical farming condi-



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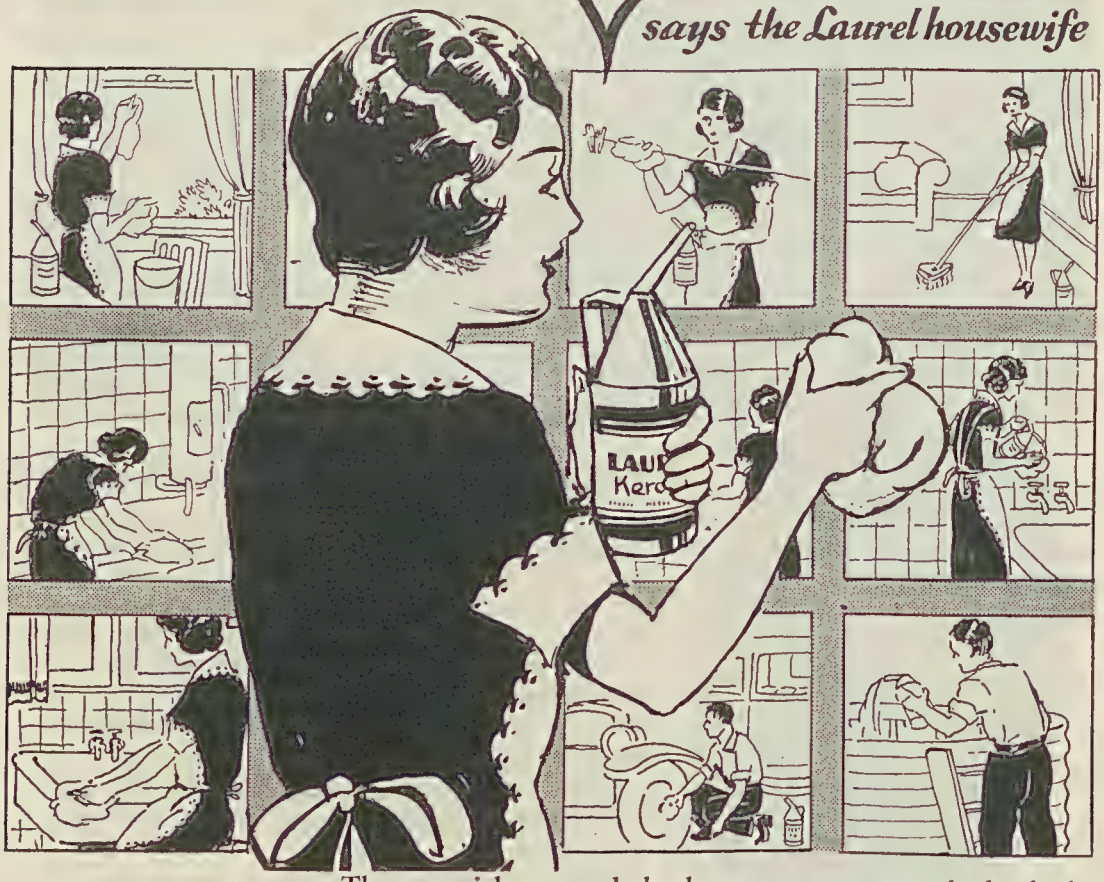

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Pasture tests are to be extended to the northern irrigation areas.

tions in the district. Points of this nature which merit investigation are:—

1. The place of Phalaris and cocksfoot in the Western District.
2. The value of the potash response in the Larpent and Cobrico districts.
3. The value of lime and nitrogen on the red hill country of Gippsland.
4. Investigation of the poor response to superphosphate of the cocksfoot, red clover pastures at Warragul and Mirboo North.
5. Optimum applications of superphosphate on responsive soils and pastures.

In view of the frequent attention required, and the large amount of work involved in attending to plots of the type being conducted under the Pasture Improvement League scheme, it is essential that in future work such plots shall be kept to a minimum. Plots of this nature must be relied upon to provide accurate results, but it is considered that experimental pasture work should cover a wide range of conditions, and a more extensive system of experiments in which the aid of suitable farmers could be enlisted would provide useful information with less effort and expense.

Results from the mowing manurial trials show that the greatest manurial responses are to be obtained in the early spring, and during the rest of the year the initial response to any manure is much less marked. It is considered that this effect could be taken advantage of in attempting to obtain information concerning the manurial response for a wider range of pastures than is possible at present.

Such plots would be treated as a farm paddock during most of the year, and closed only for experimental purposes late in the winter. Later, after the early spring growth has been recorded, the area would again be fed off by means of farm animals.

Extension to Irrigation Districts.

Following the decision to extend the experimental pasture work to the northern irrigation districts, arrangements have been made for the establishment of pasture plots at Kerang and Swan Hill, on the farms of Messrs. F. Kane and A. Douglas respectively.

Early in the year a plan was submitted to the League which would have involved comprehensive mowing tests in the Goulburn Valley, where pastures are already well established, but for financial reasons the tests have had to be confined to those previously mentioned.

It is proposed to sow the plots at the end of April, and the areas selected have been in fallow for some months, and are being graded and checkbanked.

In both centres the tests will consist of trials of the standard grasses and clovers in different combinations, and of the various manures on mixed pastures (at present confined to observation tests).

For results of individual plots see page 231.

Skeleton Weed

Warning to Wheatgrowers

VICTORIAN farmers have many weeds with which to contend, but, so far this State has remained free from the troublesome skeleton weed which is extending rapidly in the Riverina and south-western districts of New South Wales. In those areas skeleton weed is said to be causing more anxiety to agriculturists than any other plant pest. It spreads both by seed and roots, and is a particularly difficult plant to eradicate.

The serious nature of the pest is indicated by the fact that large areas which have become infested have been rendered practically useless from an agricultural point of view.

As there is a grave danger of the weed becoming established in Victoria it is urged that every precaution be taken to prevent its introduction. According to reports received by the Department of Agriculture, several consignments of seed wheat have recently been brought into this State from New South Wales, and there is some possibility of the weed being introduced into our wheat lands from this source. It is understood that the imported wheat has been distributed in small lots to various growers, and before sowing this seed farmers are strongly advised to make a thorough examination of the grain to ensure that it is absolutely free from seeds of skeleton weed.

Skeleton Weed.

A, Basal leaves which feed the underground system; B, Twiggy branch showing flower head; C, Floret with ligulate corolla and seed (fruit); D, Receptacle with fruit and pappus; E, Flower heads; F and G, Scale-like bracts of the receptacle.

[*Continued on page* 260.

F.A.Q. Wheat

Analysis of 1935 Sample

By W. R. Jewell, M.Sc., Agricultural Research Chemist.

THE bushel weight (60 lb.) of this year's f.a.q. wheat sample is again rather low, but the quality of the grain and of the flour therefrom shows a considerable improvement over that of last year when the sample contained a considerable proportion of bleached wheat. The protein content of the wheat is nearly 1½ per cent. higher than for the past three years, and has been exceeded only twice in the past nine years. The quantity of gluten in the flour milled from portion of the official sample shows a corresponding improvement. In accordance with established practice, a portion of this season's f.a.q. sample was critically examined, and subjected to analysis and to a milling test in the experimental flour mill.

The percentage of screenings (which includes grain less than 2 m.m.) is considerably higher than usual, due to the presence of some pinched wheat, in addition to the usual collection of foreign seeds. The moisture content is normal, and the improved protein content has already received comment. The analytical results, compared with past years, are given in the following table:—

—	1930.	1931.	1932.	1933.	1934.	1935.
Moisture .. %	10·58	11·43	9·31	10·59	10·89	11·84
Impurities (screenings) %	2·7	3·5	6·7	8·7	4·8	8·6
Ash .. .. %	1·33	1·47	1·41	1·39	1·36	1·61
Protein (N x 5·7) %	10·87	10·97	9·66	9·35	9·53	10·93
Bushel Weight (lb.)	62	58½	62¾	62	60	60

Flour.

No difficulty was experienced in milling the sample, and the flour yield was well up to average. Protein, wet gluten and dry gluten all show improved values. Comparative figures are given in the accompanying table:—

—	1930.	1931.	1932.	1933.	1934.	1935.
Flour—						
Yield .. %	73·2	73·4	72·8	73·2	72·8	71·7
Ash .. %	0·49	0·54	0·56	0·49	0·51	0·56
Protein (N x 5·7) %	9·54	9·58	8·65	8·02	8·79	9·39
Wet Gluten %	26·4	29·4	26·1	22·4	23·1	26·8
Dry Gluten %	8·6	9·7	8·7	7·6	7·9	9·1
Water absorption %	51·3	50·6	50·6	50·6	50·6	50·0

The diastatic capacity of the flour, as measured by its "maltose figure," is rather low, being only 81 compared with 195 for the previous year, and 141 for 1933. The higher figure last year was influenced by the bleached grain present. Standard baking tests indicate that the diastatic capacity or gassing power of the flour from this year's sample is not sufficiently high to make the best loaf of which the flour is capable. This defect is, of course, readily remedied by the addition of some malted flour or of malt extract, and it would appear that such an addition is, this season, of more importance than the use of mineral improvers. The following baking tests support this contention:—

Volume of standard loaf—540 c.c.

Volume of standard loaf, plus ½ per cent. malt flour—580 c.c.

Volume of standard loaf, plus ½ per cent. malt flour, plus potassium bromate—560 c.c.

Bran and Pollard.

Normal yields of bran and pollard were obtained, and the following tabulated data may be of some interest:—

—	1930.	1931.	1932.	1933.	1934.	1935.
Bran—						
Ash .. %	3·55	4·27	3·76	3·73	3·67	4·19
Protein (N x 6·25) %	15·31	15·57	15·37	12·44	14·50	15·49
Pollard—						
Ash .. %	2·47	3·17	2·85	2·23	2·49	2·89
Protein .. %	15·09	15·42	14·74	14·08	15·02	13·96

Burnley Egg-Laying Competition

Results of 1934-35 Test

By W. C. Rugg, Chief Poultry Expert

Mr. T. L. Eastaugh's White Leghorn, winner of Section B Single Test, wet mash.

THE 1934-35 egg-laying competition, conducted by the Department of Agriculture at Burnley, was marked by some excellent performances. The competition, which was the twenty-fourth for fowls, and the seventh for ducks, commenced on 1st April, 1934, and concluded on 2nd March, 1935, a period of 48 weeks.

The weather during the greater part of the competition was anything but favorable for egg production. During several months, very heavy rains fell, and these were accompanied by violent winds. In November, one of the worst floods in the history of the State occurred. The flood waters did considerable damage to portions of the Burnley Gardens, and, although they did not reach the competition pens, the birds in the Teams Test and the Ducks suffered considerable discomfort from the continuous rain and muddy conditions of the pens. Under the circumstances, the results obtained reflect credit on Mr. Macauley and his staff for the care and management of the birds throughout one of the most trying competitions carried out at Burnley.

It is with very much regret that we have to record the deaths during the year of no fewer than four keen supporters of the Burnley Egg-laying Competition—Miss M. T. Kidd, of Castlemaine, and Messrs. J. G. Alston, of Thornbury, P. N. Tilley, of Vermont, and T. A. Goodwin, of Kew. All have been very successful breeders of utility poultry that have put up high scores at Burnley, and each has distributed large numbers of first-class birds throughout the State. Their deaths constitute a distinct loss to the poultry industry of Victoria. The present record for a Team of Australorps is held by birds bred by the late Mr. Goodwin. In 1927-28, his team laid 1,723 eggs in twelve months, 1,613 being first grade, a record that seems likely to stand for some time.

The Competition.

At the commencement of the present competition several pullets sent in were very young, and did not come into lay for several weeks. On the other hand, some breeders sent in pullets that had been laying for some time. Many of these appeared to be upset by the change—some went into moult, and it was several weeks before they came back into full lay.

Mr. H. J. Hulme's team of Australorps, which gained first prize.

The principal feature of the competition was the excellent scores made by the birds fed on dry mash and the first three teams in the "Dry Mash" section for Leghorns made higher scores than the first three in the "Wet Mash" section.

The winning team of White Leghorns, bred by Mr. J. M. Sutherland, of Box Hill, laid 1,292 eggs, 1,281 being first grade. This is the first year in which Mr. Sutherland has competed at Burnley. His team were of good type and very evenly balanced. They should make excellent breeders.

The second prize was gained by another good team entered by the Caithness Poultry Farm, which laid 1,261 first grade eggs. This team was bred by Mrs. M. G. Skinner, who also bred the team that gained second place in the wet mash section for the late Mr. Goodwin.

Third place went to the Ruburina Poultry Farm ,which laid 1,159 first grade eggs. Another team from this farm was fifth in the "Wet Mash" section with 1,140 eggs, all first grade.

The first prize for White Leghorns fed on wet mash was won by Mr. W. F. Rogers, whose team laid 1,254 eggs, only two of which were under weight. The Wingood Poultry Farm's team was second with a score of 1,164 first grade eggs. Third place was won by Mr. H. I. Jolly with 1,150 first grade eggs.

The section for all light breeds other than White Leghorns was won by a team of Brown Leghorns, owned by Mr. D. Granter, with a score of 842 eggs. One pullet in this team died early in the test. Second place went to the Sorrento Poultry Farm's Black Leghorns, which laid 827 eggs.

In the class for heavy breeds other than Australorps or Rhode Islands, first place was secured by Mr. G. J. White's team of Light Sussex, which laid 781 eggs.

In the class for Rhode Islands, Mr. W. Donovan's team won with the very satisfactory score of 1,170 first grade eggs. This was a good even team for both type and excellent colour. Mr. J. Wrathall's team was second with 967 eggs, and Messrs. R. R. Christie and Son's team third with 963 eggs.

First prize in the section for Australorps was won by a team owned by Mr. H. J. Hulme. These laid 1,436 first grade eggs, the highest team score for the competition. The birds were very even, the lowest score being 218, while the hen with the highest score laid 267 eggs in 48 weeks. This is Mr. Hulme's second

Mr. J. M. Sutherland's winning team of White Leghorns, "Dry Mash" Section.

win at Burnley. In 1924-25, his team of Australorps laid 1,589 eggs in twelve months; on that occasion the lowest individual score was 246, and the top hen laid 300 eggs.

The second prize this year went to Mr. T. L. Eastaugh's team, which laid 1,313 eggs, 1,312 of which were first grade. Third prize was won by a team owned by Mrs. D. Mason, and which laid 1,226 first grade eggs.

In Section B, Single Test, White Leghorns, fed on wet mash, Mr. T. L. Eastaugh won with a good hen, which put up the fine score of 285 eggs, all of which were first grade. The second hen, owned by Messrs. A. Smith and Son, also laid 285 eggs, but 12 were under weight, and she finished with a score of 273 first grade eggs.

Mr. Lindsay's bird was third with 269 eggs. This hen laid 297 eggs—the highest number at the competition, but 28 were under weight.

The best individual White Leghorn fed on dry mash was a hen owned by Mr. T. J. Stevens. She laid 281 first grade eggs, while a hen owned by Messrs. A. and J. Park was second with 278 first grade eggs, and "Wywurry" third with 263.

The single test section for Australorps was won by a good typical hen, owned by Mr. J. E. Cox. She put up the good score of 283 eggs, all first grade.

Second prize was won by Mr. T. L. Eastaugh, whose hen laid 276, all first grade. Third prize went to Mr. J. A Naylor's hen, which laid 263 eggs.

A Brown Leghorn owned by Carlella Poultry Farm gained first place in the section for All Light Breeds other than White Leghorns. She laid 188 eggs. Second place went to another Brown Leghorn owned by Mr. D. Granter, her total being 173 eggs.

In the section for Rhode Islands, Mr. G. D. Lockhart won first and second prizes with scores of 251 and 219 respectively, all first grade eggs. Third place went to Mr. A. E. Laird, whose bird laid 197 eggs, 5 of which were under weight.

In the section for All Heavy Breeds, other than Australorps and Rhode Islands, the three leading birds were of different breeds. The first place was won by a partridge Australorp, owned by

Mr. J. E. Cox's Australorp hen laid 283 first grade eggs, winning the singles section.

1.—Mr. D. Granter's Brown Leghorns. 2.—Mr. T. J. Stephen's White Leghorns. 3.—Mr. G. D. Lockhart's Rhode Island Red. 4.—The winning team of Rhode Island Reds owned by Mr. W. Donovan. 5.—Mr. W. F. Rogers' successful team of White Leghorns (wet mash). 6.—Mr. G. J. White's Light Sussex team.

"Shawville," which laid 196 eggs. Second place was gained by Mrs. D. Mason's Light Sussex, which laid 189 eggs, while the third place went to a Barnevelder owned by T. A. Mentiplay. This bird laid 170 eggs.

Generally speaking, the birds that competed this year showed an improvement, so far as size and type were concerned, on those entered in previous years. Some competitors, unfortunately, send birds in before they are matured. This is a serious handicap so far as winning the competition is concerned, and, in addition, the results are not a good advertisement for the breeder.

I am pleased to say that many reports have been received from competitors to the effect that their birds arrived home from the competition in excellent condition.

For the 1935-36 competition, which commenced on 1st April, full entries were received in the sections for fowls, and although the duck section did not fill, there was an increase over last year in the number of entries received.

Cost of Feeding and Net Returns.

The competition commenced with 640 fowls, 41 of which died. The total number of days these latter birds collectively were in the pens was equivalent to one bird for 8,080 days, or approximately 24 birds for the full 48 weeks. Therefore, the total number of birds in the competition for the whole period may be regarded as 623, and this is the figure that has been used in working out averages, &c.

The total number of eggs laid, including those under weight, was 116,164—an average per bird of 186.4 for the 48 weeks.

The price realized for the eggs averaged a fraction over 11¼d. per dozen. The market value of the eggs averaged 14s. 7½d. per bird, and the cost of food averaged 6s. 3½d. per bird —a fraction over 1½d. per week. Thus, the profit over cost of food for the 48 weeks averaged 8s. 4d. per bird.

The different kinds and quantities of the food fed to the birds during the currency of the competition were as follow:—Wheat, 23,952 lb.; oats, 5,663 lb.; maize, 4,844 lb.; wheat pollard, 15,980 lb.; oat pollard, 485 lb.; bran, 12,997 lb.; maize meal, 642 lb.; dried buttermilk, 989 lb.; meat, 3,410 lb.; meat meal, 25 lb.; onions, 1,009 lb.; salt, 108 lb.; grit, 3,410 lb.; charcoal, 402 lb.

SECTION A.—TEAMS OF SIX BIRDS, TRAP NESTED.

Pen No.	Name and Address.	Total Eggs.	Under-weight.	First Grade Eggs.
	Class 1.—White Leghorns—Wet Mash.			
	1st Prize—Champion Certificate.			
20	W. F. Rogers, 23 Bent-street, Caulfield, S.E.8	1,254	2	1,252
	Class 2.—White Leghorns—Dry Mash.			
	1st Prize—Champion Certificate; also 3rd Prize—Burnley Sash.			
33	J. M. Sutherland, Fulton-road, Box Hill	1,292	11	1,281
	2nd Prize—Government Certificate.			
34	Caithness Poultry Farm (Mrs. M. G. Skinner), Clifton-street, Sandringham	1,274	13	1,261
	Class 4.—Autralorps (Australian Black Orpingtons)—Wet Mash.			
	1st Prize—Champion Certificate; also Burnley Champion Sash.			
63	H. J. Hulme, Milawa, via Wangaratta	1,489	53	1,436
	2nd Prize—Government Certificate; also 2nd Prize—Burnley Sash.			
55	T. L. Eastaugh, Pt. Nepean-road, Highett, S.21	1,313	1	1,312
	3rd Prize—Government Certificate.			
66	Mrs. D. Mason, Mt. Evelyn-road, Lilydale	1,229	3	1,226
	Class 5.—Rhode Islands—Wet Mash.			
	1st Prize—Champion Certificate.			
51	W. Donovan, 24 Regent-street, Brighton, E.6 (Rhode Island Reds)	1,179	9	1,170

SECTION B.—INDIVIDUAL BIRDS, SINGLE TEST.

Pen No.	Name and Address.	Total Eggs.	Under-weight.	First Grade Eggs.
	Class 1.—White Leghorns—Wet Mash.			
	1st Prize—Champion Certificate; also Burnley Champion Sash.			
20	T. L. Eastaugh, Pt. Nepean-road, Highett, S.21	285	..	285
	2nd Prize—Government Certificate.			
82	A. Smith and Son, Terang	285	12	273
	3rd Prize—Government Certificate			
42	P. Lindsay, 25 White-road, North Wonthaggi	297	28	269

Section B.—Individual Birds—*continued.*

Pen. No.	Name and Address.	Total Eggs.	Under-weight.	First Grade Eggs.
	Class 2.—White Leghorns—Dry Mash.			
	1st Prize—Champion Certificate; also 3rd Prize—Burnley Sash.			
232	T. J. Stevens, 309 Darling-street, Ballarat	290	9	281
	2nd Prize—Government Certificate.			
223	A. and J. Park, "Byway," Ballarat-road, Maid-stone	280	2	278
	3rd Prize—Government Certificate.			
235	"Wywurry" (L. Mag-nusson), Yielima, via Nathalia	263	..	263
	Class 4.—Australorps (Australian Black Orpingtons)—Wet Mash.			
	1st Prize—Champion Certificate; also 2nd Prize—Burnley Sash.			
118	J. E. Cox, 72 Clarendon-street, Northcote, N.17	283	..	283
	2nd Prize—Government Certificate.			
126	T. L. Eastaugh, Pt. Nepean-road, Highett, S.21	276	..	276
	3rd Prize—Government Certificate.			
149	J. A. Naylor, 858 Heidel-berg-road, Alphington, N.20	267	4	263
	Class 5.—Rhode Islands—Wet Mash.			
	1st Prize—Champion Certificate.			
177	G. D. Lockhart, 11 Blair-street, Bentleigh, S.E.14 (Rhode Island Red)	251	..	251

SECTION A.—FOR THE GREATEST NUMBER OF FIRST GRADE EGGS LAID BY INDIVIDUAL BIRDS IN EACH CLASS OF SECTION A.

Pen No.	Name and Address.	Bird No.	Total Eggs.	Under-weight.	First Grade Eggs.
	Class 1.—White Leghorns—Wet Mash.				
	1st Prize—Champion Certificate.				
8	A. J. Hill, Sunraysia Poultry Farm, Greens-borough	43	273	3	270
	2nd Prize—Government Certificate.				
14	A. Martin, 23 Clonaig-street, Brighton East, S.6	81	255	2	253
	3rd Prize—Government Certificate.				
1	Anstis Bros., View-road, Spring Vale	1	251	..	251

First prize partridge Australorp, owned by "Shawville."

Section A.—First Grade Eggs—*continued.*

Pen No.	Name and Address.	Bird No.	Total Eggs.	Under-weight.	First Grade Eggs.
	Class 2.—White Leghorns—Dry Mash.				
	1st Prize—Champion Certificate.				
39	"Ruburina" (V. D. Wallington), Nell-street, Greensborough	234	254	1	253
	2nd Prize—Government Certificate.				
43	"Wywurry" (L. Mag-nusson), Yielima, via Nathalia	253	251	3	248
	3rd Prize—Government Certificate.				
39	"Ruburina" (V. D. Wallington), Nell-street, Greensborough	232	240	..	240
	Class 3.—All Light Breeds other than White Leghorns—Wet Mash.				
	1st Prize—Champion Certificate.				
31	D. Granter, 163 Martin-street, Gardenvale, S.4 (Brown Leghorn)	184	213	..	213
	2nd Prize—Government Certificate.				
32	Sorrento Farm (Nepean Lands Pty. Ltd.), Campbell-road, Port-sea (Black Leghorn)	189	205	1	204

Section A.—First Grade Eggs—*continued.*

Pen No.	Name and Address.	Bird No.	Total Eggs.	Under-weight.	First Grade Eggs.
Class 4.—Australorps (Australian Black Orpingtons)—Wet Mash.					
1st Prize—Champion Certificate.					
55	T. L. Eastaugh, Pt. Nepean-road, Highett, S.21	327	272	..	272
2nd Prize—Government Certificate.					
63	H. J. Hulme, Milawa, via Wangaratta	378	271	4	267
3rd Prize—Government Certificate.					
63	H. J. Hulme, Milawa, via Wangaratta	374	262	5	257
Class 5.—All Heavy Breeds other than Australorps and Rhode Islands—Wet Mash.					
1st Prize—Champion Certificate.					
46	G. J. White, Allwell Stud Poultry Farm, Glen Waverley (Light Sussex)	275	202	1	201
Class 5.—Rhode Islands—Wet Mash.					
1st Prize—Champion Certificate.					
51	W. Donovan, 24 Regent-street, Brighton, S.6 (Rhode Island Red)	303	234	..	234
2nd Prize—Government Certificate.					
51	W. Donovan 24 Regent-street, Brighton, S.6 (Rhode Island Red)	304	232	..	232
3rd Prize—Government Certificate.					
53	J. Wrathall, 12 Dickens-street, Glen Iris, S.E.6 (Rhode Island Red)	313	220	..	220

SECTION A.—FIRST CLASS CERTIFICATE OF MERIT TO TEAMS IN CLASSES 1, 2, AND 4, WHICH LAID 1,200 FIRST GRADE EGGS, AND IN CLASSES 3 AND 5, WHICH LAID 1,000 FIRST GRADE EGGS.

Pen No.	Name and Address.	First Grade Eggs.
Class 4.—Australorps (Australian Black Orpingtons)—Wet Mash.		
61	Enidville Stud Farm (S. Young), 74 St. Elmo-road, Ivanhoe, N.21	1,205

FIRST CLASS CERTIFICATES OF MERIT TO INDIVIDUAL BIRDS IN CLASSES 1, 2, AND 4, WHICH LAID 220 FIRST GRADE EGGS, AND IN CLASSES 3 AND 5, WHICH LAID 200 FIRST GRADE EGGS.

Pen No.	Name and Address.	Bird No.	First Grade Eggs.
Class 1.—White Leghorns—Wet Mash,			
20	W. F. Rogers, 23 Bent-street, Caulfield, S.E.8	155	224
27	Wingood Poultry Yard (T. A. Goodwin), 8 Peel-street, Kew, E.4	162	229
10	H. I. Jolly, Trafalgar ..	56	235
21	"Ruburina" (V. D. Wallington), Nell-street, Greensborough	122	229
16	C. and D. McLauchlan, 144 Through-road, Burwood, E.13	95	224
25	A. Trionfi, Brown Coal Mine, Yallourn	145	223
	" " "	148	237
8	A. J. Hill, Sunraysia Poultry Farm, Greensborough	44	221
	" " "	45	247
	" " "	48	232
28	Woodlawn Poultry Farm (Allan McDonald), Burwood-road, Burwood, E.13	164	233
14	A. Martin, 23 Clonaig-street, Brighton East, S.6	83	250
7	A. W. Gahan, 62 Northernhay-street, Reservoir, N.19	38	222
	" " "	41	230
26	Filmer Turnbull, Dublin-road, Ringwood	154	223
4	A. G. Dawes, 230 Portrush-road, Glenunga Gardens, Adelaide, S.A.	21	229
22	Sandhills Poultry Farm (J. J. Kay), Scotsburn-avenue, care of Clarinda P.O.	129	247
Class 2.—White Leghorns—Dry Mash.			
33	J. M. Sutherland, Fulton-road, Box Hill	193	234
	" " "	194	234
	" " "	196	235
34	Caithness Poultry Farm (Mrs. M. G. Skinner), Clifton-street, Sandringham	203	237
	" " "	204	238
39	"Ruburina" (V. D. Wallington), Nell-street, Greensborough	229	222
43	"Wywurry" (L. Magnusson), Yielima, via Nathalia	258	221
42	J. H. Wernli, "Alpina," Wilson-street, Cheltenham, S.22	249	231
41	Squirrell Bros., Tulip-street, Cheltenham, S.22	245	235
40	Sorrento Farm (Nepean Lands Pty. Ltd.), Campbell-road, Portsea	238	223
	" " "	239	235
35	A. J. Hill, Sunraysia Poultry Farm, Greensborough	209	238

Certificates of Merit for First Grade Eggs—*continued*

Pen No.	Name and Address.	Bird No.	First Grade Eggs.
	Class 4.—Australorps (Australian Black Orpingtons)—Wet Mash.		
63	H. J. Hulme, Milawa, via Wangaratta	373	229
	" " "	375	226
	" " "	376	238
55	T. L. Eastaugh, Pt. Nepean-road, Highett, S.21	325	249
	" " "	330	252
66	Mrs. D. Mason, Mt. Evelyn-road, Lilydale	391	229
	" " "	395	225
61	Enidville Stud Farm (S. Young), 74 St. Elmo-road, Ivanhoe, N.21	361	228
	" " "	365	229
62	C. E. Graham, Portarlington ..	367	236
	" " ..	371	238
	" " ..	372	224
58	Corbett Bros., Noel-avenue, Macleod	344	232
	" " "	346	243
	" " "	347	224
70	Wingood Poultry Yard (T. A. Goodwin), 8 Peel-street, Kew, E.4	416	233
65	T. J. Mannion, "Milangil," Camperdown	390	221
60	A. G. Dawes, 230 Portrush-road, Glenunga Gardens, Adelaide, S.A.	356	221
	" " "	359	238
64	S. N. Lloyd, "Cranleigh," Box 10, Frankston	379	221
59	W. Cullen, Werribee Poultry Farm, Werribee	349	242
68	"Roslyn" (W. Rodger), White-street, Longwarry	405	229
	" " "	408	224
	Class 5.—Rhode Islands—Wet Mash.		
51	W. Donovan, 24 Regent-street, Brighton, S.6 (Rhode Island Red)	306	211
49	R. N. Jones, 28 Spring-street, Preston, N.18 (Rhode Island Red)	290	200
52	R. Farrin-Webb, "Rafa," Traralgon (Rhode Island Red)	309	211

SECTION B.—FIRST CLASS CERTIFICATES OF MERIT TO HENS IN CLASSES 1, 2, and 4, WHICH LAID 240 FIRST GRADE EGGS, AND IN CLASSES 3 AND 5, WHICH LAID 220 FIRST GRADE EGGS.

Pen No.	Name and Address.	First Grade Eggs.
	Class 1.—White Leghorns—Wet Mash.	
12	R. R. Christie and Son, St. Elmo Poultry Farm, Bentleigh, S.E.14	268
96	"Wywurry" (L. Magnusson), Yielima P.O., via Nathalia	67
46	A. Martin, 23 Clonaig-street Brighton East, S.6	267
30	J. Irving, 67 Merrin-crescent, Wonthaggi	263
22	J. L. Edgcumbe, "Nilgiris," Yan Yean-road, Plenty	263
44	S. N. Lloyd, "Cranleigh," Box 10, Frankston	262
62	O. Pearse, "Etker," Box 33, Donald..	259
21	J. L. Edgcumbe, "Nilgiris," Yan Yean-road, Plenty	258
27	H. Hanbury, State-street, Oakleigh, S.E.12	255
5	Benson Bros., 24 Kingsville-street, Footscray, W.11	255
61	O. Pearse, "Etker," Box 33, Donald ..	253
63	C. C. Phillips, 37 King Edward-avenue, Sunshine, W.20	253
26	Fernhill Poultry Farm (H. C. Siede), Bay-road, Cheltenham, S.22	252
25	" " " "	252
18	W. Cullen, Werribee Poultry Farm, Werribee	251
64	C. C. Phillips, 37 King Edward-avenue, Sunshine, W.20	251
52	T. A. Mentiplay, Somerville ..	250
23	C. R. Fagg, 76 Maud-street, Geelong ..	249
38	H. C. Lancaster, 4 Howard-street, Ballarat North (Ballarat)	247
24	C. R. Fagg, 76 Maud-street, Geelong ..	245
80	A. Siede and Sons, Highett Poultry Farm, Pt. Nepean-road, Highett, S.21	245
58	G. McDonnell, 46 Childers-street, Kew, E.4	244
66	C. J. Phillips, 37 King-Edward-avenue, Sunshine, W.20	243
68	F. Robson, 16 Nelson-street, North Wonthaggi	243
34	Mrs. G. M. Jones, 36 Johnston-street, Newport, W.15	243
39	Mrs. O. M. Lett, 13 Coronation-street, Brighton, S.6	240
	Class 2.—White Leghorns—Dry Mash.	
207	Mrs. W. J. Halliday, 371 Geelong-road, West Footscray, W.12	254
225	A. Siede and Sons, Highett Poultry Farm, Pt. Nepean-road, Highett, S.21	253 253
222	G. McDonnell, 46 Childers-street, Kew, E.4	247
229	Squirrell Bros., Tulip-street, Cheltenham, S.22	246

Section B.—Certificates of Merit for First Grade Eggs—*continued.*

Pen No.	Name and Address.	First Grade Eggs.
Class 4.—Australorps (Australian Black Orpingtons)—Wet Mash.		
140	A. May, Tally Ho Poultry Farm, Hewlett-road, Tally Ho	261
161	Squirrell Bros., Tulip-street, Cheltenham, S.22	253
151	O. Pearse, "Etker," Box 33, Donald ..	250
117	J. E. Cox, 72 Clarendon-street, Northcote, N.17	247
159	A. Siede and Sons, Highett Poultry Farm, Pt. Nepean-road, Highett, S.21	246

DUCKS.

The competition for ducks was not very well supported. Only 16 ducks were entered, but these were of excellent quality, and proved to be very prolific layers. Two died, and the remaining 14 averaged 274 eggs each for the 48 weeks.

First prize was won by Mr. R. J. Milner's Khaki Campbell duck, which laid the fine total of 327 eggs. She missed on only 9 of the 336 days of the competition.

Second prize went to another Khaki Campbell with 319 eggs. This duck was owned by the Braeside Duck Farm. The third prize was won by a Buff Orpington duck owned by C. and D. McLauchlan. This duck laid 298, a very fine score for a breed that is not generally considered to be a heavy laying one. Unfortunately, three weeks before the termination of the competition she stopped laying, and went into moult. Had it not been for this, she would have laid well over 300 eggs for the 48 weeks.

The number of ducks in the competition at the beginning was 16; but two of these died towards the end of the test. Therefore the total number of birds in the competition for the whole period may be regarded as 16, and this is the figure that has been used when working out averages, &c.

The total number of eggs laid, including those under weight, was 4,273, an average per bird of 267.063 for the 48 weeks. The price realized for eggs averaged a fraction under 10d. per dozen. The market value of eggs was 18s. 4d. per bird, and the cost of food averaged 11s. 9½d. per bird, or a fraction under 3d. per week. Thus the profit over cost of food for the 48 weeks averaged 6s. 6½d. per bird.

Hereunder is given a list of the different kinds and quantities of the food fed to the ducks during the currency of the competition:—Wheat pollard, 2,025 lb.; oat pollard, 95 lb.; bran, 1,336 lb.; maize meal, 95 lb.; dried buttermilk, 43 lb.; meat, 128 lb.; salt, 4 lb.; grit, 112 lb.

Mr. R. J. Milner's Khaki Campbell duck.

BURNLEY DUCK EGG-LAYING COMPETITION, 1934-45—SINGLE TEST.

Pen No.	Name and Address.	Total Eggs.	Underweight.	First Grade Eggs.
1st Prize—Champion Certificate; also Burnley Champion Sash.				
15	R. J. A. Milner, 45 Austin-crescent, Pascoe Vale, W.8 (Khaki Campbell)	327	..	327
2nd Prize—Government Certificate; also 2nd Prize—Burnley Sash.				
13	Braeside Duck Farm (T. Milner), 45 Austin-crescent, Pascoe Vale, W.8 (Khaki Campbell)	319	..	319
3rd Prize—Government Certificate.				
2	C. and D. McLauchlan, 144 Through-road Burwood, E.13 (Buff Orpington)	298	..	298

A typical Gippsland herd.

Pasture Improvement Work *(Continued from page 219.)*

Results of Major Plots

GIPPSLAND

A summary of the general results obtained from the manurial and species trials is given in the Tables XXV. to XXVII., but the results of the individual plots and the recommendations for pasture improvement based thereon are given for each locality. For details of the earlier results, see the second year's report published in the April, 1934, issue of the Journal of the Department of Agriculture, Victoria.

CALDERMEADE (J. Davis).

(Strong, Dark Clay Loam Flats.)

This plot is situated on a perennial rye, Kentucky blue, subterranean, and white clover pasture, characterized by rather uncertain autumn and fair winter growth, followed by a very heavy prolonged growth in the spring.

The response to superphosphate has been the outstanding feature on these plots. It has greatly increased the growth of pasture and

TABLE I.—GRAZING PLOTS, CALDERMEADE.

Grazing Commenced.	"Young Stock Days" per Plot.			
	Super. 2 cwt., S. of A. 2 cwt., Lime 1 ton.	Super. 2 cwt., S. of A. 2 cwt.	Super. 2 cwt.	No Manure.
1934.				
Jan. 8	40	40	40	40
April 4 ..	50	50	50	50
May 20 ..	74	74	74	46
June 29 ..	80	80	80	40
July 28 ..	30	10	..	..
Aug. 12 ..	63	63	63	42
Aug. 23 ..	63	63	84	..
Sept. 2 ..	63	63	..	..
Oct. 1	90	90	90	90
Oct. 30 ..	99	99	99	99
Nov. 10 ..	60	54	76	..
Dec. 3 ..	81	81	81	54

TABLE II.—MANURIAL TRIALS, CALDERMEADE.

Date of Cutting.	Yields in cwt. of Greenstuff per Acre.					
	Super. 2 cwt.	Super. 2 cwt., S. of A. 2 cwt.	No Manure.	Super. 2 cwt., S. of A. 2 cwt., Lime 1 ton.	Super. 2 cwt., S. of A. 2 cwt., Potash 1 cwt.	Super. 3 cwt.
1934.						
Jan. 22 ..	3½	3½	4½	5	4	4½
April 30 ..	7½	8	5	10	9½	8½
Aug. 1 ..	38	30	5½	36½	35	40½
Sept. 17 ..	71	60½	12	63	62	72
Oct. 31 ..	160	132	104	130	135	166
Nov. 19 ..	15½	19	20	24	26	22
Dec. 18 ..	34	33	16	33	36	41½
1935.						
Feb. 1 ..	34½	37½	32	44	41½	44½

checked the growth of weeds, both on the mowing and on the grazing areas. The best pastures on this type of soil consist of perennial rye, Kentucky blue, subterranean and white clovers, and cocksfoot and red clover may be present with advantage. The conservation of surplus spring growth as meadow hay for feeding in the following winter is necessary on this country.

TOORA (J. Kroezen).

(Deep Grey Silt Loam Flats.)

Pasture consists of perennial rye-grass, subterranean and white clovers, together with some Yorkshire fog, flat weed, and field daisy. This class of country usually makes good autumn and winter growth, and the spring growth is prolonged late into the season.

TABLE III.—GRAZING PLOTS, TOORA.

Grazing Commenced.	"Young Stock Days" per Plot.			
	Super. 2 cwt., S of A. 2 cwt., Lime 1 ton.	Super. 2 cwt., S. of A. 2 cwt.	Super. 2 cwt.	No Manure.
1934.				
Feb. 2 ..	90	80	80	70
Mar. 15 ..	90	80	80	70
April 15 ..	60	60	..	..
June 21 ..	75	75	105	99
Aug. 1 ..	126	126	108	108
Sept. 23 ..	42	42	36	30

TABLE IV.—MANURIAL TRIALS, TOORA.

Date of Cutting.	Yields in cwt. of Greenstuff per Acre.					
	Super. 2 cwt.	Super. 2 cwt., S. of A. 2 cwt.	No Manure.	Super. 2 cwt. S. of A. 2 cwt., Lime 1 ton.	Super. 2 cwt., S. of A. 2 cwt., Potash 1 cwt.	Super. 3 cwt.
1934.						
Jan. 25 ..	17½	18	19	18½	17½	19
April 26 ..	41	38	30½	42	40	46½
June 13 ..	23½	29½	16	30½	32½	26
July 26 ..	10	10	5½	9½	12	10
Sept. 20 ..	59½	52½	25	54	57½	54½
Oct. 15 ..	41½	38½	25	38	39	42
Nov. 20 ..	84½	79	71½	84	82	90
Dec. 19 ..	18½	17	12½	18½	18	20
1935.						
Jan. 31 ..	45½	42½	33	47	47	53

Superphosphate has been the only manure to give good results at Toora. Even in the early spring there has been very little response to nitrogen, probably owing to the high proportion of clover present in the pasture.

Excessively wet conditions have retarded the growth of the pasture on the sown-down area. Rye-grass has made the bulk of the growth on this area, but Phalaris, Lotus major, L. hispidus, and white and strawberry clovers have made good establishment.

YARRAGON (B. E. Olsen and E. J. Heggart).

(Deep Grey Silt Loam Flats.)

The pasture consists mainly of perennial rye-grass and white clover. Good growth is experienced in the autumn, but during the winter it is liable to be checked by wet conditions. The spring growth is prolonged late into the season.

TABLE V.—GRAZING PLOTS, YARRAGON.

Grazing Commenced.	Super. 2 cwt., S. of A. 2 cwt., Lime 1 ton.		Super. 2 cwt., S. of A. 2 cwt.		Super. 2 cwt.		No Manure.	
	M.	F.	M.	F.	M.	F.	M.	F.
1934.								
Jan. 10 ..	33	19	38	21	31	18	12	7
Feb. 26 ..	33	19	28	16	24	13	6	7
Mar. 27 ..	64	10	54	11	45	9	17	3
June 2 ..	49	..	55	..	34	..	17	..
Aug. 1 ..	34	..	39	..	52	..	19	..
Sept. 18 ..	23	..	35	..	15	..	5	..

M = "Milking cow days" per acre.
F = "Follower days" per acre.

Portion of Mr. Heggart's Herd.

Excellent response has been obtained at Yarragon to superphosphate, and there are indications that some advantage is being

derived from the use of lime. Sulphate of ammonia has not given any material increase in growth.

TABLE VI.—MANURIAL TRIALS, YARRAGON.

Date of Cutting.	Yields in cwt. of Greenstuff per Acre.					
	Super. 2 cwt.	Super. 2 cwt., S. of A. 2 cwt.	No Manure.	Super. 2 cwt., S. of A. 2 cwt., Lime 1 ton.	Super. 2 cwt., S. of A. 2 cwt., Potash 1 cwt.	Super. 3 cwt.
1934.						
Jan. 30 ..	13½	12½	11	15½	10½	14
May 1 ..	10	8	5	11½	7	11½
July 23 ..	2	3	1	2	2½	2½
Sept. 18 ..	40	35½	9	47	39½	43½
Oct. 15 ..	50	48½	26	55	49	53
Nov. 22 ..	85½	78½	56	89	83½	79
Dec. 20 ..	14	12	9½	15½	13	14
1935.						
Jan. 30 ..	19	18	10½	19½	17	19

KORUMBURRA (F. E. Kurrle).

(Hill Country—Strong Grey Loam.)

The pasture here consists of cocksfoot, Yorkshire fog, subterranean and white clovers, with some perennial rye-grass.

This country experiences good growing conditions during the autumn, but cold, wet weather usually checks winter growth. The spring recovery is slow, but the pastures remain green well into the summer.

TABLE VII.—MANURIAL TRIALS, KORUMBURRA.

Date of Cutting.	Yields in cwt. of Greenstuff per Acre.					
	Super. 2 cwt.	Super. 2 cwt., S. of A. 2 cwt.	No Manure.	Super. 2 cwt., S. of A. 2 cwt., Lime 1 ton.	Super. 2 cwt., S. of A. 2 cwt., Potash 1 cwt.	Super. 3 cwt.
1934.						
Jan. 24 ..	10½	10	8½	13½	10½	13
April 27 ..	4½	4	2½	5½	4½	6
July 24 ..	19	22½	8	35½	31	26
Sept. 19 ..	48½	44½	17	54	51½	46
Oct. 30 ..	58	38	31½	48½	42	58½
Nov. 19 ..	27½	24	20½	26½	25	28
Dec. 18 ..	25	17½	16	20½	18½	27

Superphosphate has shown a large improvement on these plots, and the additional dressing of lime also has given some benefit. Pasture improvement in this area should involve the sowing down of a grass and clover mixture consisting mainly of cocksfoot, red, white, and subterranean clovers, but also including a fair proportion of persistent perennial rye-grass. Liberal top-dressing with superphosphate will be found profitable, and lime is worthy of testing out on small areas.

MIRBOO NORTH (R. E. Barrand).

(Hill Country—Deep Friable Red Clay Loam.)

The pasture here consists of cocksfoot and red clover, together with Yorkshire fog, flat weed, and plantain.

This country is characterized by poor autumn and winter growth, and it resumes growth very late in the spring. Similar land on which pastures of subterranean clover and native grasses are found respond well to top-dressing, but this particular type of pasture has given a very unsatisfactory response to superphosphate, although dressings of sulphate of ammonia and lime, in addition to superphosphate, have given good results.

TABLE VIII.—GRAZING PLOTS, MIRBOO NORTH.

Grazing Commenced.	"Milking Cow Days" per Plot.			
	Super. 2 cwt., S of A. 2 cwt., Lime 1 ton.	Super. 2 cwt., S. of A. 2 cwt.	Super. 2 cwt.	No Manure.
1934.				
Jan. 15 ..	9	8	7	13
Jan. 31 ..	9	8	7	7
Mar. 26 ..	9	8	8	7
April 15 ..	19	16	16	..
June 25 ..	7	6	..	..
July 20 ..	13	11	7	3
Sept. 1 ..	17	15	7	..
Sept. 9 ..	17	15	15	7
Oct. 6 ..	9	8	8	9
Nov. 4 ..	21	18	18	10
Nov. 19 ..	21	18	18	16
Dec. 8 ..	21	18	18	16

On the sown down section, cocksfoot has made the best development. Growth on the rye-grass strain trial is generally poor, but the New Zealand certified perennial rye-grass has made fair development. Except for Lotus hispidus none of the clovers have made satisfactory growth.

Low fertility appears to be the factor controlling growth on this soil, and the best means of building it up should be the subject of further experimentation.

TABLE IX.—MANURIAL TRIALS, MIRBOO NORTH.

Date of Cutting.	Yields in cwt. of Greenstuff per Acre.					
	Super. 2 cwt.	Super. 2 cwt., S. of A. 2 cwt.	No Manure.	Super. 2 cwt., S. of A. 2 cwt., Lime 1 ton.	Super. 2 cwt., S. of A. 2 cwt., Potash 1 cwt.	Super. 3 cwt.
1934.						
Jan. 31 ..	10	10	10	14½	10½	10½
May 2 ..	5	5	5	7½	5½	6
July 27 ..	2½	5	2	5½	5½	3
Sept. 20 ..	6	14	4½	20	16	7
Nov. 6 ..	36½	39	31½	44½	40	37
1935.						
Jan. 8 ..	44½	42½	46	59	50	52

WARRAGUL (C. Tyssen).

(Hill Country—Deep Friable Red Clay Loam.)

The pasture at Warragul consists of cocksfoot and red clover, and the results obtained have been very similar to those recorded at Mirboo North, where a similar type of soil and pasture exists.

TABLE X.—GRAZING PLOTS, WARRAGUL.

Grazing Commenced.	"Young Stock Days" per Plot.			
	Super. 2 cwt., S. of A. 2 cwt., Lime 1 ton.	Super. 2 cwt., S. of A. 2 cwt.	Super. 2 cwt.	No Manure.
1934.				
May 11 ..	169	131	131	131
July 24 ..	66	54	60	36
July 30 ..	54	42	36	24
Nov. 2 ..	80	60	50	50
Nov. 26 ..	70	70	70	70
Dec. 24 ..	105	105	105	105
1935.				
Jan. 14 ..	105	105	105	105
Feb. 2 ..	63	63	63	63

These pastures usually make poor autumn and winter growth, and only make really good growth during a short period late in the spring.

The response to superphosphate alone has been very poor, but where it has been supplemented with sulphate of ammonia and lime, the growth of the pasture has been greatly improved.

On this site, as at Mirboo North, low soil fertility appears to be checking growth, and while superphosphate on its own does not appear to be of any material advantage to this type of pasture, it is admitted that subterranean clover—native grass pastures, on similar land, respond well.

TABLE XI.—MANURIAL TRIALS, WARRAGUL.

Date of Cutting.	Yields in cwt. of Greenstuff per Acre.					
	Super. 2 cwt.	Super. 2 cwt., S. of A. 2 cwt.	No Manure.	Super. 2 cwt. S. of A. 2 cwt., Lime 1 ton.	Super. 2 cwt., S. of A. 2 cwt., Potash 1 cwt.	Super. 3 cwt.
1934.						
May 1 ..	3	3	3	4	4	4
July 23 ..	2	4½	2	6	6	2½
Sept. 18 ..	5½	12	4	13	13	6½
Oct. 31 ..	44½	34	27	44	35	51½
Nov. 23 ..	21½	18½	18	22	20½	24½
Dec. 20 ..	9½	8	7½	9	9	9½
1935.						
Jan. 29 ..	6½	5½	7	6½	6	6½

TABLE XII. — PERCENTAGE OF CLOVER ON VARIOUSLY TREATED STRIPS OF MOWING TRIALS. —GIPPSLAND, SPRING 1932, 1933, AND 1934.

Date of Survey.	Super. 2 cwt.	Super. 2 cwt., S. of A. 2 cwt.	No Manure.	Super. 2 cwt., S. of A. 2 cwt., Lime 1 ton.	Super. 2 cwt., S. of A. 2 cwt., Potash 1 cwt.	Super. 3 cwt.
	%	%	%	%	%	%
Caldermeade.						
5.12.32	73	66	65	66	75	80
3.10.33	55	33	44	32	35	53
19.11.34	39	40	36	42	33	42
Korumburra.						
9.12.32	36	26	23	25	34	45
3.10.33	56	31	29	30	33	54
19.11.34	40	14	24	25	22	31
Mirboo North.						
8.12.32	32	24	36	36	22	32
12.10.33	24	17	20	41	16	19
27.7.34	0	0	1	3	0	0
Toora.						
8.12.32	59	54	47	56	46	58
3.10.33	65	46	67	58	52	63
20.11.34	41	35	38	26	38	39
Warragul.						
13.12.32	37	30	32	54	25	37
11.10.33	15	9	16	22	8	15
23.11.34	28	7	19	16	3	26
Yarragon.						
12.12.32	51	34	33	42	44	46
10.10.33	63	44	39	47	46	62
23.7.34	42	15	20	36	30	62

WESTERN DISTRICT

CUDGEE (E. R. Murfitt).

(Medium Sandy Loam.)

Perennial rye-grass and subterranean clover, together with some cocksfoot and annual trefoils, are the main constituents of this pasture.

TABLE XIII.—GRAZING PLOTS, CUDGEE.

Grazing Commenced.	"Young Stock Days" per Plot.			
	Super. 2 cwt., S. of A. 2 cwt., Lime 1 ton.	Super. 2 cwt., S. of A. 2 cwt.	Super. 2 cwt.	No Manure.
1934,				
April 25 ..	50	50	50	37
May 3	72	72	72	36
July 19 ..	29	29	25	17
Aug. 19 ..	50	50	50	25
Sept. 10 ..	84	84	96	48
Oct. 14 ..	105	75	90	45
Nov. 7 ..	105	90	105	60
Dec. 14 ..	105	90	90	60

Growth during the autumn and winter periods usually is good, but while the growth in the early spring generally is strong also, the pasture matures early, and soon dries off.

TABLE XIV.—MANURIAL TRIALS, CUDGEE.

Date of Cutting.	Yields in cwt. of Greenstuff per Acre.					
	Super. 2 cwt.	Super. 2 cwt., S. of A. 2 cwt.	No Manure.	Super. 2 cwt., S. of A. 2 cwt., Lime 1 ton.	Super. 2 cwt., S. of A. 2 cwt., Potash 1 cwt.	Super. 3 cwt.
1934.						
Jan. 16 ..	1½	1½	1	1½	1	1½
May 5 ..	10½	8½	4	7½	8	12
July 2 ..	55½	32½	17½	31	34½	51
Sept. 12 ..	67	42	28½	42	53	63½
Oct. 11 ..	32	30½	22	31½	36½	36
Nov. 14 ..	52	38	36	38½	43½	51½
1935.						
Jan. 25 ..	8	8½	7½	8	8	8

As is usual on the lighter types of soil, these plots have shown very large increases from the use of superphosphate. None of the other manures used on this plot have been of much value, but it has been noticeable during the past year that potash used in conjunction with superphosphate and sulphate of ammonia assisted in counteracting the depressive effect following on the use of the nitrogenous fertilizer. Cocksfoot has given most promising results on the sown down area, and Phalaris also has made good establishment on this plot.

COBRICO (Maskell Bros.).

(Buckshot Light Silt Loam.)

The pasture at Cobrico consists mainly of perennial rye-grass, Yorkshire fog, and annual grasses with white and subterranean clovers.

TABLE XV.—GRAZING PLOTS, COBRICO.

Grazing Commenced.	"Heifer Days" per Plot.			
	Super. 2 cwt., S. of A. 2 cwt., Lime 1 ton.	Super. 2 cwt., S. of A. 2 cwt.	Super. 2 cwt.	No Manure.
1934.				
April 15 ..	24	21	21	21
May 26 ..	45	31	..	..
July 23 ..	31	25	31	9
Sept. 10 ..	28	28	17	6
Sept. 24 ..	10	5	..	..
Oct. 15 ..	25	24	24	18
Nov. 17 ..	35	30	30	24
Dec. 7 ..	36	24	18	12
1935.				
Jan. 23 ..	24	18	12	6

Fair autumn growth is usually obtained, but during the winter it is checked by wet, cold conditions, and is not resumed until late in the spring. Growth is prolonged late into the season, at which time flat weed and Yorkshire fog usually become prominent.

TABLE XVI.—MANURIAL TRIALS, COBRICO.

Date of Cutting.	Yields in cwt. of Greenstuff per Acre.					
	Super. 2 cwt.	Super. 2 cwt., S. of A. 2 cwt.	No Manure.	Super. 2 cwt., S. of A. 2 cwt., Lime 1 ton.	Super. 2 cwt., S. of A. 2 cwt., Potash 1 cwt.	Super. 3 cwt.
1934.						
Jan. 17 ..	5½	5	4½	5	5	6½
May 4 ..	11	10½	7½	15	14	15
July 2 ..	16	12½	6½	13	21½	14½
Sept. 13 ..	15½	20½	5	19½	40½	14½
Oct. 25 ..	52	51½	38½	49½	74	52½
Dec. 14 ..	58	48	52	52	57	60½
1935.						
Jan. 25 ..	14½	12	12	14½	11½	18½

These plots have shown a good response to superphosphate, and a further marked response to muriate of potash. From the beginning of the trial potash has shown good results on these plots, and in the past year its effect was even more marked than during the previous years.

In the pasture mixture section, perennial rye-grass, together with white and subterranean clovers, has made very strong growth almost to the exclusion of other species.

A mowing manurial trial.

CORAGULAC (E. W. Martin).

(Heavy, Volcanic Clay Loam.)

The pasture here consists mainly of perennial rye-grass with some annual trefoils which are prominent during the spring. The trefoil growth in this district is very uncertain from season to season, depending on the autumn

TABLE XVII.—COMPARATIVE YIELDS OF MAJOR PLOTS DURING THE WHOLE YEAR AND FOR THE EARLY SPRING PERIOD ONLY.

The figures, which are the average results during 1932, 1933, and 1934, show that the manurial differences are much more marked in the early spring than during the whole year. Yields in cwt. of greenstuff per acre per cut :—

Western District.

Treatment.	Cobrico.		Coragulac.		Cudgee.		Glenormiston.		Larpent.	
	Average throughout the Year.	Early Spring.	Average throughout the Year.	Early Spring.	Average throughout the Year.	Early Spring.	Average throughout the Year.	Early Spring.	Average throughout the Year.	Early Spring.
No manure ..	18·7	9·4	22·3	20·2	15·6	20·3	29·2	30·3	17·3	6·6
Super. 2 cwt. per acre	24·4	17·0	26·1	35·4	27·4	47·9	35·8	43·2	27·1	22·9
Super. 2 cwt. and sulph. of amm. 2 cwt. ..	24·8	22·7	26·6	30·0	24·0	43·4	32·2	39·0	27·9	29·2
Super. 2 cwt. and S. of A. 2 cwt. and, lime 1 ton	25·2	22·6	26·2	28·7	23·5	40·9	34·0	43·0	29·1	32·4
Super. 2 cwt. and S. of A. 2 cwt., and potash 1 cwt. ..	32·5	34·2	25·8	27·5	27·2	49·5	33·1	40·7	34·3	44·7
Super. 3 cwt. ..	24·5	15·2	27·5	40·3	27·9	48·4	36·2	41·8	28·4	23·6

Gippsland.

Treatment.	Caldermeade.		Korumburra.		Mirboo North.		Toora.		Warragul.		Yarragon.	
	Average throughout the Year.	Early Spring.	Average throughout the Year.	Early Spring.	Average throughout the Year.	Early Spring.	Average throughout the Year.	Early Spring.	Average throughout the Year.	Early Spring.	Average throughout the Year.	Early Spring.
No manure	24·5	18·8	17·9	9·3	13·2	4·3	26·7	29·3	10·3	3·0	18·2	10·2
Super. 2 cwt. per acre ..	35·8	60·7	27·5	24·5	15·2	6·0	35·8	53·0	12·2	4·2	29·4	31·2
Super. 2 cwt. and sulph. of amm. 2 cwt.	40·3	63·3	25·5	26·5	17·3	10·8	35·2	54·7	13·0	9·0	28·3	34·3
Super. 2 cwt. and S. of A. 2 cwt., and lime 1 ton ..	42·1	67·7	30·9	33·0	20·9	14·5	36·6	57·0	16·2	10·7	31·4	40·2
Super. 2 cwt. and S. of A. 2 cwt., and potash 1 cwt. ..	42·1	65·5	28·3	29·8	18·4	12·5	37·7	59·5	13·9	9·7	29.6	37·0
Super. 3 cwt.	46·0	63·3	30·0	24·3	16·4	6·7	37·8	52·5	13·3	4·5	30.3	35.3

rains and the severity of attack by pea-mite in the young stages. The pasture usually makes good late autumn growth, but winter growth is liable to be checked by the deficiency of soil nitrogen. Strong growth is made in the early spring, and the pastures tend to mature and dry off about mid-season.

TABLE XVIII.—GRAZING PLOTS, CORAGULAC.

Grazing Commenced.	"Milking Cow Days" per Plot.			
	Super. 2 cwt., S. of A. 2 cwt., Lime 1 ton.	Super. 2 cwt., S. of A. 2 cwt.	Super. 2 cwt.	No Manure.
1934.				
Mar. 23 ..	11	7	6	9
April 10 ..	6	6	6	6
April 24 ..	11	11	11	11
June 15 ..	18	12	11	11
July 19 ..	36	36	36	36
Sept. 1 ..	24	24	24	25
Sept. 27 ..	24	24	24	12
Oct. 18 ..	33	33	33	33
Nov. 13 ..	34	34	34	34
Dec. 9 ..	25	25	25	25

Small manurial responses only have been recorded on these plots at any time, which fact would be explained by the very high natural fertility of this land. Occasionally good responses to nitrogenous dressings have been recorded during the winter time, but the results from all manures have generally been small.

TABLE XIX.—MANURIAL TRIALS, CORAGULAC.

Date of Cutting.	Yields in cwt. of Greenstuff per Acre.					
	Super. 2 cwt.	Super. 2 cwt., S. of A. 2 cwt.	No Manure.	Super. 2 cwt. S. of A. 2 cwt., Lime 1 ton.	Super. 2 cwt., S. of A. 2 cwt., Potash 1 cwt.	Super. 3 cwt.
1934.						
May 2 ..	15	13	13½	12½	11	14
July 4 ..	14	13	11½	11½	10½	16
Sept. 10 ..	55½	40½	28½	37	34½	65
Oct. 23 ..	106	105½	101	105	98	89
Nov. 12 ..	12	13½	10½	12½	13	12½
Dec. 19 ..	23	22½	25½	23	21½	21½
1935.						
Jan. 23 ..	2½	3	3	3	2½	2½

Perennial rye grows to perfection on this land and on the sown-down section cocksfoot and Phalaris have made excellent development. Despite the attack of pea-mite, subterranean clover has made good development on the sown area.

LARPENT (A. S. Gladman).

(Deep Strong Sandy Loam.)

At Larpent, the pasture comprises perennial rye and subterranean clover with some Yorkshire fog and flat weed. It is characterized by good late autumn and winter growth, and grows well into the late spring.

TABLE XX.—GRAZING PLOTS, LARPENT.

Grazing Commenced.	"Milking Cow Days" per Plot.			
	Super. 2 cwt., S. of A. 2 cwt., Lime 1 ton.	Super. 2 cwt., S. of A. 2 cwt.	Super. 2 cwt.	No Manure.
1934.				
Jan. 10 ..	17	17	18	17
Jan. 11 ..	10	10	12	10
Feb. 13 ..	40	40	39	39
April 5 ..	68	68	68	68
April 7 ..	19	19	19	19
May 29 ..	50	50	50	50
July 10 ..	48	52	52	29
Aug. 4 ..	19	19	19	12
Sept. 23 ..	48	37	37	11
Oct. 25 ..	31	21	45	15
Oct. 27 ..	10	8	8	9
Dec. 17 ..	135	136	112	113
1935.				
Jan. 23 ..	25	25	24	24
Jan. 25 ..	4	4	4	4

There has been an excellent response to superphosphate on these plots, and potash also has shown to advantage when used with superphosphate and sulphate of ammonia.

TABLE XXI.—MANURIAL TRIALS, LARPENT.

Date of Cutting.	Yields in cwt. of Greenstuff per Acre.					
	Super. 2 cwt.	Super. 2 cwt., S. of A. 2 cwt.	No Manure.	Super. 2 cwt., S. of A. 2 cwt., Lime 1 ton.	Super. 2 cwt., S. of A. 2 cwt., Potash 1 cwt.	Super. 3 cwt.
1934.						
May 2 ..	9½	8	4	8	11	12
July 3 ..	16½	16	4½	15	25½	17
Sept. 10 ..	25½	25½	7½	28	49½	24½
Oct. 22 ..	61½	64½	54	66½	92	65½
Nov. 17 ..	38	32½	33	33	33	38½
1935.						
Jan. 22 ..	34	26	21	24½	23	34

Although during the past year sulphate of ammonia has not given much increase in growth, a fair response was obtained from it in the previous year. On this major plot the response to nitrogen on the grazing area appears to have been better than has been the case on the mowing trials.

The area sown to pasture mixtures and species was resown in the autumn of 1934. A good strike was obtained, and the plots have made good development during the past season.

Although perennial rye-grass and subterranean clover make excellent growth on this class of land, the results already obtained from the sown down area show that cocksfoot and Phalaris are capable of strong development also.

GLENORMISTON NORTH (Messrs. K. Atkins and A. S. Noel).

(Deep, Strong Medium Loam.)

The pasture here is perennial rye-grass and subterranean clover, with some Yorkshire fog and annual trefoils.

Growth in the late autumn and winter is fair, and the pasture makes a vigorous prolonged growth during the spring. The ground dries out and cracks during the summer, and autumn recovery is irregular.

TABLE XXII.—GRAZING PLOTS, GLENORMISTON NORTH.

Grazing Commenced.	"Milking Cow Days" per Plot.			
	Super. 2 cwt., S. of A. 2 cwt., Lime 1 ton.	Super. 2 cwt., S. of A. 2 cwt.	Super. 2 cwt.	No Manure.
1934.				
Jan. 25 ..	27	27	23	23
June 28 ..	30	30	30	24
July 15 ..	18	18	18	12
July 28 ..	12	12	12	..
Aug. 28 ..	48	48	36	36
Sept. 30 ..	32	32	32	32
Oct. 21 ..	36	36	36	36
Oct. 25 ..	24	24	30	24

These plots have shown a fair response only to superphosphate, and there has been little or no response at all to the other manures. On the grazing areas the sulphate of ammonia did appear to give a rather better response than would be indicated by the results from the mowing plots.

TABLE XXIII.—MANURIAL TRIALS, GLENORMISTON NORTH.

Date of Cutting.	Yields in cwt. of Greenstuff per Acre.					
	Super. 2 cwt.	Super. 2 cwt., S. of A. 2 cwt.	No Manure.	Super. 2 cwt., S. of A. 2 cwt., Lime 1 ton.	Super. 2 cwt., S. of A. 2 cwt., Potash 1 cwt.	Super. 3 cwt.
1934.						
Jan. 17 ..	3½	3½	3½	4½	4	4
May 3 ..	15	16	13½	17	16	17½
July 3 ..	27½	21	14	25½	17	25
Sept. 11 ..	81	58	50½	62½	61	76½
Oct. 26 ..	146	117	129	117	124	146
Dec. 12 ..	58½	47	41½	48½	50½	64
1935.						
Jan. 25 ..	8½	8½	8	9	9	10

The area sown to pasture mixtures and species was of rather poorer soil than that used for the rest of the experiment, and at the present time these sown species are suffering from low soil fertility. Cocksfoot has made good growth on this plot, but the rye-grass, though

TABLE XXIV.—PERCENTAGE OF CLOVER ON VARIOUSLY TREATED STRIPS OF MOWING TRIALS.—WESTERN DISTRICT, SPRING 1932, 1933, AND 1934.

Date of Survey.	Super. 2 cwt.	Super. 2 cwt., S. of A. 2 cwt.	No Manure.	Super. 2 cwt., S. of A. 2 cwt., Lime 1 ton.	Super. 2 cwt., S. of A. 2 cwt., Potash 1 cwt.	Super. 3 cwt.
	%	%	%	%	%	%
Cobrico.						
17.11.32	42	43	47	31	62	44
12.10.33	21	22	32	12	48	17
13.9.34	62	32	74	34	44	56
Coragulac.						
15.11.32	64	48	66	59	45	63
8.10.33	71	61	67	51	50	69
10.9.34	59	27	65	26	26	61
Cudgee.						
17.11.32	78	66	69	59	69	74
11.10.33	51	30	60	29	44	40
12.9.34	72	29	84	35	34	62
Glenormiston.						
16.11.32	60	52	67	53	48	60
5.10.33	25	14	22	10	18	31
11.9.34	57	10	53	15	15	45
Larpent.						
18.11.32	65	52	69	54	67	72
6.10.33	17	13	42	8		13
10.9.34	38	17	65	11	19	43
					1	

good during the first two years, is now somewhat lacking in vigour. It would have been an advantage to this plot if at the time of sowing a larger quantity of subterranean clover had been included in the mixtures.

PILOT PLOTS, GIPPSLAND.

Although these plots are observational in character, and it is not possible to make measured estimates of the growth on them as a result of manurial treatment, it is considered that where material increases are effected, these would be readily observed and recorded. Manurial responses usually are greatly magnified early in the spring, and if improvement is not shown at that time, increases during the remainder of the year will be very small only.

Hill Country.

Callignee (H. E. Sutton and Son).—The soil here is a deep, fertile, rich brown clay loam, but nevertheless a good response is obtained to superphosphate. Pasture improvement in this area necessitates the introduction of perennial rye-grass, cocksfoot, red, white, and subterranean clovers, and the cutting of surplus spring feed for grass hay.

Dumbalk North (Hamilton Bros.).—Good pastures may be established on this strong, grey loam by sowing a mixture of cocksfoot, rye-grass, and phalaris with red and subterranean clovers, and a little white clover. Annual dressings of 1 cwt. of superphosphate per acre should be given. Surplus spring growth must be cut for winter feed.

Leongatha (R. Stockdale).—The pasture on this deep, red fertile clay loam should consist of cocksfoot, red and subterranean clovers, together with some perennial rye-grass and white clover. Grass hay must be cut in the late spring. An autumn dressing of superphosphate should be given annually.

Narracan East (F. Savige).—On this heavy brown clay loam, the pasture consists mainly of perennial rye and subterranean clover with some cocksfoot and red and white clovers. The response to manures on this plot has not been marked. It would seem that it will be necessary to build up the general soil fertility on this land before good winter and early spring growth can be expected.

Nilma North (Swan Bros.).—The native pastures so frequently found on this medium brown clay class of country can be greatly improved by the introduction of cocksfoot and

TABLE XXV.—CHEMICAL ANALYSIS OF SOILS FROM GIPPSLAND AND WESTERN DISTRICT PASTURE EXPERIMENTAL PLOTS.

GIPPSLAND

Locality	N	P_2O_5	K_2O	CaO	MgO	Cl	pH
Yarra	166	58	154	200	196	10	6.8
Mirboo North	274	77	104	180	196	12	5.5
Caldermeade	364	81	118	242	306	2	5.6
Korumburra	206	54	99	234	243	2	5.9
Warragul	285	126	69	184	229	2	5.5
Yarragon	156	51	87	124	293	4	5.9
Foster	180	51	96	200	80	36	4.9
Leongatha	263	96	144	440	620	10	7.8
Callignee	352	170	175	258	437	2	5.8
Dumbalk North	235	60	210	444	404	4	6.2
Longwarry	207	41	28	134	125	4	5.0
Moe	123	19	41	80	113	4	5.2
Morwell	162	25	12	106	91	4	5.3
Nar Nar Goon	162	41	51	180	149	4	5.6
Narracan	352	74	124	260	459	4	5.7
Neerim South	274	103	126	822	442	4	6.2
Nilma	218	72	189	224	231	4	5.8
Pakenham	145	42	53	134	149	10	5.6
Rokeby	274	41	230	438	352	4	6.1
Strzelecki	274	78	161	330	392	4	6.3
Thorpdale	336	64	209	394	493	10	6.5
Traralgon	156	64	47	148	75	26	5.3
Welshpool	207	45	122	170	181	4	6.0
Yinnar	280	61	121	190	193	8	5.8
Dereel	202	110	403	216	171	14	5.6

WESTERN DISTRICT

Locality	N	P_2O_5	K_2O	CaO	MgO	Cl	pH
Cudgee	144	42	43	90	33	8	6.2
Glenormiston Nth.	464	163	178	170	250	18	5.8
Coragulac	325	403	386	690	1954	8	8.4
Larpent	302	64	96	130	145	10	6.0
Coorice	200	32	96	160	116	10	5.5
Birregurra	375	99	236	250	242	12	5.8
Bochara	134	67	120	70	90	6	6.3
Buckley	156	61	130	110	69	8	6.2
Casterton	224	125	439	230	272	12	5.7
Coleraine	140	26	106	80	80	10	6.0
Deans Marsh	218	54	121	130	134	10	5.7
Geelin South	263	48	82	70	92	10	5.7
Gerrye	258	67	110	120	98	10	5.9
Macartour	212	74	96	200	98	10	5.7
Moring	319	141	362	400	318	10	5.5
Portlake	195	38	96	190	72	12	5.8
Nogrot	442	224	270	830	5292	14	6.2
Penshurst	291	64	126	270	314	12	5.9
Port Fairy	246	153	280	6840	340	6	7.9
Stonyford	750	320	232	450	492	12	6.2
Heywood	302	80	202	250	532	10	6.2
Timboon	145	26	38	70	98	10	5.2
Colac Home Field	232	54	112	160	124	10	5.5
Colac Railway Field	328	87	234	384	330	16	5.4

Samples taken from 0 to 4″ from unmanured strips. Results shown in parts per 100,000 on air dry basis.

N = Nitrogen, supplied as sulphate of ammonia, P_2O_5 = Phosphoric acid supplied as superphosphate, K_2O = Potash supplied as muriate of potash, CaO = Lime applied usually as carbonate of lime, but also as slaked-lime and quicklime.

The narrow black columns in front of the individual figures represent the approximate responses to the corresponding fertilizers, the maximum being indicated by a full column and no response by a blank. At Heywood, a good response to lime was obtained in the first two years, but there was no increase in the third year.

subterranean clover, together with some perennial rye-grass and red clover. A good response has been obtained from dressings of superphosphate, and fair response has been observed in the early spring from dressings of sulphate of ammonia on this class of land.

Rokeby (W. and A. W. Aitken).—The unimproved pastures at Rokeby on a heavy, brown clay loam are composed of rather weak Danthonia, trefoils, and numerous small weeds. Growth on the sown pasture consists mainly of cocksfoot, perennial rye-grass, and subterranean clover, together with some red and white clovers. Good results have been obtained with superphosphate. Sulphate of ammonia and lime, in addition, have given some further improvement.

Strezlecki (J. A. Long).—This good, deep, grey loam is capable of carrying a good pasture of cocksfoot, perennial rye-grass, red and subterranean clovers, together with some Phalaris and white clover. The response to artificial fertilizer on this land has been small only. These pastures should be cut in the late spring, and growth stored for winter feed.

Thorpdale (C. Mills).—Growth on the deep fertile brown loam at Thorpdale consists mainly of cocksfoot, perennial rye, subterranean and red clovers, together with some white clover and annual grasses. These plots have not shown much response to manurial dressings, and strong growth has been obtained in the absence of fertilizer treatment. Winter growth is good, but it is necessary to cut and store the surplus spring growth.

Where possible, the pastures should be grazed off rather than cut for grass on this light class of land.

Longwarry (V. de Lacy Evans).—The better pastures at Longwarry, which are situated on a deep alluvial loam of medium fertility consist of perennial rye-grass, cocksfoot, white and subterranean clovers, together with some Paspalum and red clover. A fair response has been obtained with superphosphate, but very little response has been observed from the other treatments.

Moe (B. Savige).—Fertility limits pasture growth on this poor white silt soil, and the general growth has been weak. There has been an excellent response to superphosphate, and repeated dressings should greatly improve this pasture. Sulphate of ammonia has given some increase during the early spring but the other fertilizers have not given any material improvement.

Showing increased clover content due to potash. Growth on super. and lime plot is similar to that of super. only, on this site.

Gippsland Flats.

Foster (J. Hunter).—Low soil fertility and the wet cold conditions during the winter limit the pasture growth here. The growth on this light grey silt consists mainly of white clover and Yorkshire fog, together with some perennial rye-grass and Lotus hispidus. Both brown top and Chewing's fescue have made good growth on this land despite the unfavorable conditions provided.

Superphosphate has given good response on this pasture, and sulphate of ammonia has given a sharp increase for a short period in the early spring.

It will be necessary to build up soil fertility before good pastures can be maintained here.

On the sown section, there has been a fair growth of perennial rye-grass, cocksfoot, white and subterranean clovers, but Yorkshire fog and Paspalum are prominent. The building up of soil fertility is the most urgent need of this land, and the pastures should be grazed hard during the spring in an attempt to encourage the better species.

Nar Nar Goon (J. Dore).—This deep, heavy silt loam gives an excellent response to superphosphate, and further small increases have been obtained from lime and sulphate of ammonia.

Very heavy growth was made on this pasture during the past spring, the species most

in evidence being perennial rye, cocksfoot, white and red clovers, together with some Yorkshire fog, Lotus hispidus, and annual trefoils.

Yinnar (T. Quigley).—The soil at Yinnar is a fertile deep grey loam, and the pasture consists mainly of perennial rye, white and subterranean clovers, together with some cocksfoot and red clover. Good results have been obtained from the use of superphosphate, but the other manures have not shown any material improvement.

Established pastures on this type of land have a long growing season and subdivision, regular manuring, and the conservation of grass hay should give good results.

Rising Country.

Morwell (A. W. Ronald).—On this strong, grey loam of medium fertility, superphosphate has given a good response, while sulphate of ammonia gave a fair increase in the early spring only.

Good results have been obtained with cocksfoot, perennial rye-grass, crested dogstail, and red, white, and subterranean clovers. Growth here is checked by rather dry weather, and in order to make the best of the conditions offering, it would be an advantage to increase the proportion of perennial rye and subterranean clover on this land.

Pakenham (J. J. Ahern).—There has been an excellent response to superphosphate at Pakenham on a gritty, silt loam of rather low fertility, and there usually has been a good response to sulphate of ammonia in the early spring.

Cocksfoot, crested dogstail, and subterranean clover have done well on this plot, and fair development has been made by perennial rye-grass, red and white clovers. Low fertility limits growth on this country, and it is necessary to build this up by top-dressing with superphosphate and subterranean clover before good pasture growth can be obtained.

Traralgon (J. Stockdale).—The soil here is a light grey loam which is carrying an excellent growth of perennial rye and cocksfoot, and Phalaris has grown well on this plot also. Red clover has grown well, but neither white nor subterranean clover has made much progress.

TABLE XXVI.—RELATIVE VIGOUR OF GRASS AND CLOVER SPECIES SOWN ON THE GIPPSLAND PILOT PLOTS.

Maximum vigour = 10; Species failed to survive = 0; Trace only present = t.

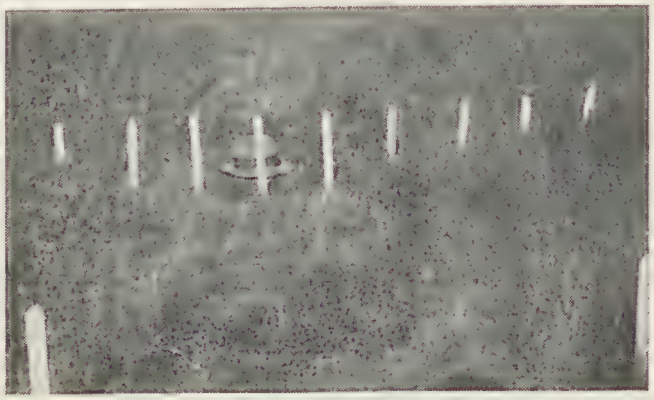
	GRASSES												CLOVERS						
	Perennial Rye	Cocksfoot	Crested Dogstail	Timothy	Phalaris	Prairie	Perpalum	Meadow Foxtail	Brown Top	Chewings Fescue	Yorkshire Fog	Kentucky Blue	Sub Clover	White Clover	Red Clover	Alsike	Strawberry	Lotus hispidus	Lucerne
HILL COUNTRY PLOTS																			
Callignee	8	9	t	t	1	1	0	0	6	6	9	3	10	2	6	2	t	1	2
Dumbalk North	6	10	t	1	6	8	2	0	7	8	3	9	7	5	6	2	1	3	2
Leongatha	6	10	1	0	2	t	t	t	3	3	2	3	8	1	4	1	t	2	3
Narracan East	8	4	1	0	t	2	0	0	3	5	9	1	6	2	3	1	0	t	0
Nilma	6	6	t	t	1	1	0	t	6	6	9	2	8	2	1	1	0	t	0
Rokeby	7	6	t	t	2	2	0	t	6	6	9	4	7	2	1	1	0	t	0
Strezlecki	5	8	2	0	4	1	0	0	5	6	9	1	8	2	8	1	0	t	0
Thorpdale	6	10	0	0	t	2	0	0	7	7	8	2	8	2	4	1	t	0	0
FLATS																			
Foster	4	2	1	t	t	0	2	0	8	8	9	1	1	8	t	t	1	6	0
Longwarry	6	4	t	2	t	0	2	0	2	7	5	t	4	6	2	1	0	0	0
Moe	6	5	0	t	t	t	4	0	6	5	5	t	4	6	3	2	0	3	0
Nar Nar Goon	9	6	2	t	3	t	2	t	4	6	8	t	2	8	6	4	0	8	0
Yinnar	8	3	t	t	t	t	t	t	8	8	9	3	2	8	3	1	0	-	0
RISING COUNTRY																			
Morwell	6	8	t	0	t	2	t	0	8	8	6	2	4	5	2	t	t	0	t
Pakenham	5	8	6	0	0	0	0	0	8	10	9	2	6	6	6	2	0	4	0
Traralgon	10	6	0	t	5	1	0	2	6	6	9	3	2	2	6	3	0	0	3
Welshpool	6	4	2	0	t	t	0	2	6	6	8	2	6	4	3	2	2	2	0

There has not been much response to manurial treatment on this site, probably owing to the residual effect of previous dressings.

Welshpool (G. Christensen). — At Welshpool fertility on this light grey silt is low, and there has been a very good response to superphosphate and sulphate of ammonia.

Rye-grass and cocksfoot have made fair growth, and crested dogstail is present to some extent. Subterranean and white clovers have made good growth, and some red clover is growing on the plot.

Soil fertility is the main obstacle to pasture improvement on this land, and this could best be overcome by top-dressing with superphosphate and the encouragement of a subterranean clover pasture.



Manurial strips on a pilot plot at Coleraine showing increased growth due to super. The "no manure" strip is in the centre with a "super." plot on either side.

WESTERN DISTRICT.

Birregurra (G. Whytcross).—Although on the deep, heavy, dark, fertile clay at Birregurra, there has been some response to superphosphate and sulphate of ammonia, neither has had any marked effect on this pasture. Perennial rye-grass, strawberry clover, and subterranean clover make good growth on this type of land, and on the plot there also has been a good development of cocksfoot, Phalaris, white and red clovers.

Buckley (*J. H. Steele*).—The natural pasture on this class of soil— a shallow silt overlying buckshot gravel—is very light, and consists mainly of Danthonia, Eragrostis, and sundry small weeds.

By means of cropping followed by the introduction of subterranean clover, encouraged by top-dressing, greatly improved pastures can be obtained on this class of country.

As the fertility is built up by means of the subterranean clover, the grasses become established, and on this experimental plot site, rye-grass and cocksfoot have made very good growth. Encouraged by the summer rains, red clover has shown to advantage, but white clover has completely failed here.

There has been a spectacular response to superphosphate on this plot, and sulphate of ammonia has encouraged growth (particularly of the rye-grass) in the early spring. Some response to potash was observed here last spring.

Casterton (J. McIntyre).—The soil on this plot consists of a heavy grey clay on an alluvial flat, and the natural pasture is mainly of an annual character. Perennial rye-grass, cocksfoot, and Phalaris have done well on the sown-down section. Sown clover growth has been poor, but annual trefoils have made prominent growth on the natural pasture section.

This plot usually has shown very meagre response from the manurial treatment, but early in the past spring, superphosphate gave a sharp increase for a short period.

Coleraine (J. Brens).—On this deep sandy loam, superphosphate has always given a very marked response, but, except for a slight increase with sulphate of ammonia, the other manures have not given any material response.

While perennial rye, cocksfoot, prairie, and subterranean clover have made excellent growth on this plot, Phalaris and Lotus hispidus have also done well.

Dean's Marsh (Atkins Bros.).—Although the manures did not show up much on this grey buckshot loam in the early stages, the response to superphosphate, more recently, has been very good. The other manures have not shown any appreciable improvement.

Subterranean clover with perennial rye-grass and cocksfoot have made the best growth on the sown section, while fair growth has been made by the red and alsike clovers. Growth on the manurial section consists mainly of subterranean clover with Yorkshire fog and annual grasses.

Ecklin South (J. C. Mattinson).—The pasture on a light silt loam at Ecklin South had been built up by previous topdressing with superphosphate, and probably for that reason this plot has shown very little response to the recent dressings. On the sown section, good

TABLE XXVII.—RELATIVE VIGOUR OF GRASS AND CLOVER SPECIES SOWN ON THE WESTERN DISTRICT PILOT PLOTS.

Maximum vigour = 10; Failure to survive = 0; Trace only = 1.

	GRASSES													CLOVERS						
	Perennial Rye	Cocksfoot	Crested Dogstail	Timothy	Phalaris	Prairie	Paspalum	Meadow Foxtail	Brown Top	Chewings Fescue	Yorkshire Fog	Kentucky Blue	Sub Clover	White Clover	Red Clover	Alsike Clover	Strawberry	Lotus hispidus	Lucerne
Birregurra	10	4	1	2	6	1	0	1	6	1	3	3	3	6	8	-	8	-	0
Buckley	6	5	3	1	2	2	0	0	8	6	6	4	10	0	3	0	0	-	1
Casterton	8	8	0	0	6	2	0	0	-	-	2	0	1	0	0	0	-	-	0
Coleraine	10	7	2	1	5	10	0	0	2	6	2	2	10	0	0	0	0	5	0
Deans Marsh	6	5	4	2	1	1	0	0	8	6	10	3	8	1	3	3	1	-	5
Ecklin South	7	7	7	1	1	2	2	0	5	3	6	1	5	7	6	6	-	-	0
Garvoc	6	2	9	3	0	1	0	0	7	3	5	2	9	4	4	0	2	0	1
Hamilton	4	3	1	0	0	3	0	0	1	1	2	0	9	0	0	0	0	0	0
Heywood	3	3	8	1	0	2	0	1	10	8	4	2	4	6	4	1	-	0	0
Macarthur	7	3	7	1	1	4	0	2	3	3	3	1	8	2	1	0	-	0	0
Merino	9	8	2	1	8	7	0	0	5	3	7	1	7	3	8	5	1	0	0
Mortlake	4	5	4	5	3	3	1	0	9	9	7	6	8	0	0	0	0	-	0
Noorat	6	7	0	0	3	6	3	0	3	4	2	0	2	0	0	-	0	0	3
Penshurst	8	6	1	5	5	5	0	1	4	7	3	1	9	0	0	0	0	1	1
Port Fairy	9	9	0	0	6	3	0	0	1	2	1	5	1	3	7	0	3	-	7
Stoneyford	5	6	0	0	3	4	0	0	0	0	2	0	6	0	0	0	0	0	0
Timboon	6	4	0	0	0	0	6	0	2	2	2	1	5	10	3	6	0	8	0

growth has been made by the rye-grass, cocksfoot, subterranean, and white clovers. Crested dogstail, red and alsike clovers have made fair development also.

Garvoc (T. C. Blain).—Low soil fertility limits pasture growth on this shallow grey silt, and the results from the plots indicate that it will be necessary to use subterranean clover and superphosphate to build up fertility before a good pasture can be maintained. Superphosphate has given very good response on this site, but the other manures have not been of any material benefit.

Growth on the sown section is not vigorous, and it would be improved by the encouragement of a greater proportion of subterranean clover. Subterranean clover, rye-grass, and crested dogstail constitute the bulk of growth on this plot, but timothy, red and alsike clovers are present in fair amount also.

Hamilton (J. E. Chadderton).—The response to superphosphate at Hamilton on a light buckshot cement loam has not been marked at any time. Previous dressings of superphosphate that had been given to this area possibly account for this fact, but the surrounding paddock appears to give a better response than is shown by the experimental plot. Sulphate of ammonia applied in the early spring has given a stimulus to growth which usually has resulted in an increased proportion of annual grasses.

The sown section of this plot has been seeded twice, but only the subterranean clover has made good development. Perennial rye-grass and cocksfoot, although established, are only growing weakly.

Heywood (S. Quayle).—The soil at Heywood is a heavy black clay, and texture appears to be the factor limiting pasture growth here, for the soil is almost a pug clay, and this is evidently the cause of an acute nitrogen deficiency during the winter and early spring.

There have been good responses to dressings of superphosphate and sulphate of ammonia in the early spring, but, though lime gave very good results in the first two years, it has failed to give any increase during the past season.

The growth on the sown section has rapidly lost vigour since the first year when a good establishment of all species was obtained. Crested dogstail, white clover, and brown top have made the most persistent growth on this plot, and subterranean and red clovers, and Yorkshire fog are present in fair amount.

Macarthur (*J. H. Nield*).—The soil here is a heavy sandy loam. The manurial section

A Western District herd.

situated on the natural pasture has shown a good increase from the use of superphosphate. The spring dressing of sulphate of ammonia has resulted in the usual stimulus to the growth of the grass and the reduction of the clover content of the sward. Neither lime nor potash has shown any beneficial result.

The growth on the sown section consists mainly of perennial rye-grass, subterranean clover, and crested dogstail, together with some cocksfoot and white clover.

Merino (Talisker Estate).—Very strong growth has been made on this deep fertile heavy clay loam, and it appears that this class of soil is sufficiently rich to grow a good pasture without the assistance given by artificial fertilizers. Very little response was recorded from the manures in the first years, but a good response to superphosphate was obtained early in the past spring. No response was observed from the other fertilizers at that time.

On the sown section rye-grass, cocksfoot, and Phalaris, with red, white, alsike, and subterranean clovers, have made vigorous growth.

Mortlake (C. Fischmann).—The response to superphosphate at Mortlake on a shallow buckshot loam has been good, but the main effect of the nitrogenous manure was to increase the amount of Yorkshire fog. No appreciable response has been obtained from lime or potash.

Soil fertility is low on this plot, and subterranean clover, brown top, and Chewing's fescue have made the best growth. Rye-grass, cocksfoot, timothy, and crested dogstail, although well established, are not vigorous.

Noorat (I. Black).—Pastures on this class of soil, which is a deep crumbly red volcanic clay, consist mainly of winter-growing annual grasses and clovers, and vigorously growing weeds. Soil fertility is very high, and at no time has there been any appreciable response from the use of manures. There has been a good establishment of the perennial rye and cocksfoot, while Phalaris, subterranean clover, and lucerne have made fair progress only. Prairie grass grew very strongly in the first season, but has now weakened, while Paspalum is showing a tendency to develop.

Penshurst (W. Underwood).—This plot, which is situated on a dark grey basaltic clay loam, has shown a large increase from the use of superphosphate, and here sulphate of ammonia usually has given a marked effect early in the spring. During the past season plots given an additional dressing of potash showed better growth than those receiving superphosphate only.

Most of the grasses sown here have made good progress, but of the clovers only subterranean has made good headway. Perennial rye-grass and cocksfoot constitute the bulk of feed on this plot.

Port Fairy (J. C. Goldie).—The soil at Port Fairy is a deep sand with limestone rubble. Perennial rye-grass and cocksfoot with red clover have made the strongest growth on this plot. Phalaris and lucerne, white and alsike clovers have made fair progress on this site.

This land previously had been regularly top-dressed with superphosphate, and the pasture has not shown any appreciable response from the experimental applications of fertilizer.

Stoneyford (A. McKenzie).—The pasture on this rich volcanic loam, which is interspersed with basalt, is composed mainly of annual grasses and trefoils, and makes vigorous winter and spring growth. The actual composition of the pasture varies greatly from season to season, being mainly controlled by the weather conditions experienced in the autumn.

Perennial rye, cocksfoot, Phalaris, and prairie grass have done well on this plot, and where the pasture is kept short subterranean clover flourishes. The manurial treatments have not shown much response at any time, although the plots receiving superphosphate have been visibly improved.

Timboon (J. Elson).—The soil here is a grey silt loam of low fertility. This land is subject to water-logging in the winter time,

[*Continued on page* 260

Orchard and Garden Notes

By Edward E. Pescott, F.L.S.

The Flower Garden.

A GOODLY show of flowers for late winter and early spring can be obtained by planting out seedlings or plants of Primrose, Cineraria, Primula Nemesia, and Iceland Poppy. Before planting out, the beds or borders should be well dug over, and some animal manure worked into the soil, or if this be not available, a medium dusting of bonedust or meal.

With the exception of Cineraria, all these plants are very hardy, and may be grown in open situations. Cinerarias are readily affected by frost, and they must be covered each night when frosty conditions prevail.

The planting out of shrubs, both evergreen and deciduous, may be proceeded with after the garden area has been well dug over. Hedges may also be planted out. The hedge is a permanent part of the garden, and one rarely cultivated; therefore it is necessary that pre-planting soil work should be of the best. The soil must not only be deeply dug over, but a good quantity of manure should be worked into it; the inclusion of some coarse bonedust is especially desirable.

The Orchard.

I would suggest that the present is a good time to attend to what is known as "orchard sanitation," or, in old-time language, "a good clean up," and in this direction there is much to be done.

All codling moth bandages, whether chemical or otherwise, should be removed and burned as soon as practicable. Apple and pear tree tops should be "barked" so as to clear away all hiding places of the codling moth larvae. Fallen fruit, a frequent source of infection, should be destroyed—not buried.

All "mummies" must be gathered from peach, plum, and cherry trees, and burned, thus minimizing future attacks of brown rot. Where plum or prune rust was noticed, and wherever shot-hole was present, it would be advisable, if possible, to clean up and burn the foliage. Then an autumn Bordeaux spray would be given for both diseases.

Anemones.

The Vegetable Garden.

Plantings of broad beans may now be made in all districts. These beans are lime-lovers, and a supply of lime ought to be given to the bed. Apart from its value to the plant, it is also useful in checking soil insect and similar pests likely to damage the germinating seed.

Later on, when the plants grow, they are subject to attacks of aphis, which is always prevalent in the cool season. As soon as it appears, the beans should be given a spraying with nicotine sulphate. A second and possibly a third spraying may be necessary, for this aphis is very persistent.

The Broad Windsor is one of the hardiest of varieties, while Dwarf Prolific and Dreadnought Long Pod are also good bearers.

Garden or Green Peas, of the early varieties, should also be sown under the same soil conditions as presented for broad beans. Greenfeast has almost taken the place of Yorkshire Hero as a main-crop pea; it is not the first early type, but could be classed as second early. Daisy and Day's Early Sunrise are early varieties. Blue Bantam, a rather dwarf plant, is coming into favour as an early-bearing variety; it bears large, well-filled pods.

Registration of Stallions

Fifteenth Annual Report

By

R. N. Johnstone, B.V.Sc., Chief Veterinary Inspector

DURING the year 1934-35 the number of stallions registered was 1,355, representing an increase of 209 over the previous year. This, together with the eager demand for good, sound, young draught geldings and mares, indicates continued appreciation by the farmer of the worth of the horse as an economical supplier of power, both on the farm and on the road, so apparent during the recent years of low prices for farm produce.

During the season the veterinary staff examined many young stallions which had been submitted for registration. In all 321 parades were held, and of these 213 were scheduled, and 108 were special parades, held at the expense of the owner. In the report for 1933-34, it was pointed out that the great number of special parades asked for gave rise to considerable difficulty because of the depleted veterinary staff. Owners of stallions were requested to endeavour to submit their horses for examination at one of the scheduled parades, and thus save themselves considerable expense and the veterinary officers a good deal of work. In spite of this request, the number of special parades asked for this year showed an increase of 25 per cent., totalling 108 as compared with 86 last year. That fact, combined with the increase in the number of stallions presented for examination, made the season a strenuous one for the veterinary staff, and meant a reduction in the amount of service that could be given in other directions. For that reason, stallion owners are again asked to present their horses at scheduled parades.

During the season under review, 1,064 stallions were presented for examination. This number far exceeds all previous records, and, as may be expected, by far the greatest increase is shown in the draught classes. Compared with the previous year, the numbers in the various classes are as follow:—

——	Draught.	Light.	Pony.	Total.
1934–35 ..	856	149	59	1064
1933–34 ..	649	102	52	803
Increase ..	207	47	7	261

Of the number examined this year, 656 were registered, and 406 were refused registration. Of the latter number, 167 were rejected because of unsoundness, and 239 were considered to be below a reasonable standard in respect of type, conformation, and/or breeding.

The forms of unsoundness discovered are shown in detail in the accompanying table, and, as will be seen, by far the greater number of rejections were due to sidebone. Of the 167 stallions rejected because of unsoundness, 2

were granted certificates on appeal; 74 had been registered during the preceding year, and were thereby subject to compensation; 84 were rejected on first examination, and were not subject to compensation, as were 7 also which had been previously rejected for lack of breeding, type, and/or conformation.

One pleasing feature of this year's operations is that of the 74 stallions subject to compensation 58 have been castrated, and compensation has been paid, or is in course of payment. In eight cases the claims were not proceeded with, while the owners of the balance have decided to use the stallions with their own mares. The cost to the compensation fund is £5,931 11s. The owners of 16 of the 91 stallions rejected for unsoundness, and not subject to compensation, have lodged applications for permission to use the animals for breeding purposes with their own mares. These figures

SUMMARY OF EXAMINATIONS, 1934-35.

	Draught.		Light.		Pony.		Total.	
	Examined. 856	Certificated. 513	Examined. 149	Certificated. 106	Examined. 59	Certificated. 39	Examined. 1,064	Certificated. 658
	Rejected.	Per cent. Rejected.	Rejected.	Per cent. Rejected.	Rejected.	Per cent. Rejected.	Rejected.	Per cent. Rejected.
Bog Spavin	5	·584	..	..	..	..	5	·470
Bone Spavin	3	·351	2	1·343	1	1·695	6	·564
Curb	..	..	1	·671	..	..	1	·094
Nervy	1	·117	..	..	..	..	1	·094
Osteo Porosis	..	..	..	..	..	..	..	..
Ringbone	8	·935	..	..	..	..	8	·751
Shivering	..	..	..	..	..	..	..	..
Sidebone	140	16·356	..	..	..	..	140	13·158
Stringhalt	4	·466	1	·671	..	..	5	·470
Thoroughpin	..	..	1	·671	..	..	1	·094
Through unsoundness	161	18·809	5	3·356	1	1·695	167	15·695
Through disapproval	182	21·261	38	25·503	19	32·203	239	22·462
Total	343	40·070	43	28·859	20	33·898	406	38·157

SUMMARY OF EXAMINATIONS, 1933-34.

	Draught.		Light.		Pony.		Total.	
	Examined. 649	Certificated. 399	Examined. 102	Certificated. 69	Examined. 52	Certificated. 35	Examined. 803	Certificated. 503
	Rejected.	Per cent. Rejected.	Rejected.	Per cent. Rejected.	Rejected.	Per cent. Rejected.	Rejected.	Per cent. Rejected.
Bog Spavin	1	·154	1	·980	..	..	2	·249
Bone Spavin	1	·154	..	..	..	..	1	·125
Cataract	..	..	..	..	..	..	..	..
Curb	..	..	1	·980	2	3·846	3	·374
Osteo Porosis	..	..	..	..	2	3·846	2	·249
Ringbone	3	·463	..	..	1	1·923	4	·498
Roaring	..	..	..	..	..	..	..	..
Shivering	2	·308	..	..	..	..	2	·249
Sidebone	75	11·556	..	..	..	..	75	9·340
Stringhalt	5	·770	..	..	..	..	5	·623
Through unsoundness	87	13·405	2	1·960	5	9·615	94	11·707
Through disapproval	163	25·115	31	30·392	12	23·077	206	25·653
Total	250	38·520	33	32·352	17	32·692	300	37·360

furnish definite information that at least 24 of this year's unsound stallions are being used for breeding purposes, and may be expected to increase the percentage of rejections for unsoundness in future years. Of the remainder, 5 have been castrated, 1 has been sold in another State, and no further information has been received in respect of 69.

APPEALS.

During the year under review, eleven examinations were conducted by Appeal Boards appointed by the Minister pursuant to appeals lodged by the owners of rejected stallions against the decisions of the veterinary officers. Two appeals were upheld, both in respect of rejection for unsoundness, one for bog spavin, and the other stringhalt. In the nine cases remaining the decision of the veterinary officer was upheld. Of these, four had been rejected for sidebones, one for nervy, and four for lack of type, conformation, or breeding.

Parades for the Coming Season.

Owing to extensive alterations in the railways time-tables, which will be adopted before June, the preparation of the schedule of stallion parades for next season has been delayed. Publication is therefor withheld until a later issue of the *Journal*.

Owners of stallions are reminded that application for registration must be lodged with the Chief Veterinary Inspector on or before 1st July, 1935. Applications must be accompanied by a fee of £3, which comprises registration fee of £1 and compensation fee of £2.

It should also be noted that unless an application is duly received indicating that a stallion will be presented for inspection at a scheduled parade at least seven (7) days prior to the date fixed for the parade, the veterinary officer will not necessarily visit the place of parade, and any owner neglecting to so apply will be called upon to pay the additional cost of a special examination in order to avoid proceedings being instituted for failing to comply with the Act.

Forms of application may be obtained from secretaries of agricultural societies and from officers in charge of police stations.

Change of ownership must be notified without delay in order that certificates of registration may be endorsed accordingly. A registration expires within 30 days of change of ownership unless the required notice is given.

A typical Clydesdale Stallion.

Stallion Register 1934-35

(Under the Horse Breeding Act 1928)

Registrations prior to the 1st April, 1935.

Cert. No.	Name.	Age* and Class.	Owner and Address.
649	Abbots Bert ..	A. D.	H. R. Richards, Trawool
1180	Abron Hill Design	3 D.	A. C. Jorgensen, Katyil
374	Abbotsford Supreme	3 D.	J. Smith, Melbourne
1223	Acme Voyage ..	A. L.	Mrs. E. Gange, Werribee South
346	Actons Choice ..	3 D.	Hancock and Wakenshaw, Bambill
1307	Admiral Ribbon Wood	A. L.	E. Jones, Manangatang
801	Admiral Roy ..	A. L.	R. J. Cantwell, Beazley's Bridge
300	Afew	3 L.	J. H. McDonald, Dimboola
682	Ahitana Gift ..	5 D.	J. Leydon, Kilmore
364	Ahitana Laddie ..	5 D.	J. W. Scott, Katyil
125	Ailsa Craig Wright	A. D.	A. W. Watters, Wunghnu
771	Alambra ..	5 P.	J. H. Grimmett, Laanecoorie
178	Alena's Pride ..	3 D.	A. Farnbach, Kiamal
18	All Scotch ..	A. D.	P. L. Williams, Miram
1315	Allan Cleave ..	6 L.	R. C. Gordon, Drumanure
1331	Allan Stewart ..	A. D.	W. B. Tonks and Son, Caniambo
201	Allandale ..	A. D.	E. A. Altmann, Rainbow
309	Allendale ..	6 D.	A. J. Dorahy, Bolinda
190	Allendale Sensation	5 D.	J. A. Dufty, Mt. Elgin
1205	Allen Pronto ..	5 L.	W. D. Taylor, Spring Vale
173	Allens Pride ..	4 D.	Barry Bros., Culgoa
635	Alto Minstrel ..	4 L.	E. G. Jones, Underbool
535	Alverton Baron Stephen	3 D.	M. B. Delahunty, Murtoa
648	Amyville Fashion	A. D.	H. Richards, Trawool
865	Angle Court ..	4 L.	J. Timmins, Mitta Mitta
1065	Antonio ..	4 L.	W. J. Paton, Lismore
1316	Aran Isle ..	6 L.	C. G. Brown, Toorak
924	Ardmore ..	A. D.	A. Pollock, Derby
929	Armadales Elect	A. D.	R. V. Colliver, Cora Lynn
67	Arthurs Pride ..	6 D.	Gowanford Stallion Club, Gowanford
49	Aussie Dibblitz of Fenwick	A. P.	Mrs. A. D. Maclean, Yan Yean
1050	Aviator ..	5 D.	H. Trimble, Pine Lodge
596	Avondel Billy Macdrum	3 D.	P. T. Cleary, Avonmore
595	Avondel Drumbaron	5 D.	P. T. Cleary, Avonmore
702	Balgrochan Warrior	A. D.	L. Sewell, Glenlyon
1343	Balkin King ..	5. T.	H. N. Walpole, Whorouly South
955	Ballygolly Again	5 P.	J. J. Lobb, Cope Cope
452	Balmeadie Bold ..	4 D.	J. Henderson, Baulkamaugh North
1066	Balmeadie Chief ..	4 D.	W. Bath, Inverleigh
258	Balmeadie Endeavour 2nd	5 D.	W. Elsom, Dart Dart
124	Balmerino ..	A. T.	W. D. Wright, Broadford
1	Bamawm ..	4 T.	K. Turnbull, Wedderburn
1145	Banaghar ..	4 T.	F. Wood, Tallangatta
343	Banjo	3 D.	O. H. Keller, Nhill
453	Bannockburn Panacea	3 D.	P. B. Malone, Leichardt
264	Bannock Dale ..	4 D.	E. A. McArthur, Sea Lake
1069	Baraclan ..	4 T.	T. B. Waters, Corryong
101	Barkoola Prince ..	5 P.	A. G. Stewart, Frankston
250	Barney	A. P.	J. Bell, Merino
893	Barney Ideal ..	3 D.	E. P. William, Beulah West
697	Baron ..	3 D.	C. M. Burt, Lismore
1177	Baron	A. D.	J. Carroll, Mudgegonga
860	Baron Again ..	4 D.	C. J. Appleby, Slaty Creek
1032	Baron Agitation ..	5 D.	Dukelow Bros., Mt. Cotterill
750	Baron Banjo ..	5 D.	P. K. Tomkins, Wando Vale
970	Baron Baritone ..	5 D.	A. G. Mibus, Croxton East
436	Baron Bellicose ..	5 D.	H. V. McLean, Banyan
1198	Baron Boy ..	5 D.	R. Della Vedova, Donald P.B.
586	Baron Boy ..	3 D.	J. Sanderson, Tallarook
943	Baron Brae ..	4 D.	W. Crosbie, Birchip
781	Baron Buccleigh	4 D.	K. Tobin, Jung
76	Baron Carlyle ..	A. D.	A. W. Fordred, Kew
1172	Baron Chief ..	A. D.	S. E. McIntyre, Condah
932	Baron Clover ..	A. D.	J. A. Lord, Boigbeat
951	Baron Crawford ..	A. D.	L. J. King, Quambatook
388	Baron Dale ..	5 D.	Rigney Bros., Chinkapook
504	Baron Darnley ..	A. D.	H. Hibbins, Ultima
251	Baron Douglas ..	A. D.	T. Buckley, Romsey
202	Baron Douglas ..	A. D.	T. Bray, St. Arnaud
639	Baron Duke ..	3 D.	W. H. Rice, Cocamba
252	Baron Estill ..	6 L.	J. Medlyn, St. Arnaud
1088	Baron Flash ..	4 D.	A. K. Lade, Welshpool
253	Baron Footprint	A. D.	H. C. Wilson, Raywood
1036	Baron Fyvie ..	A. D.	Shiels Bros., Youanmite
1092	Baron Ivo ..	4 D.	S. Waters, Corryong
896	Baron Jack ..	A. D.	Mrs. E. E. Pickering, Box 17 Hopetoun
1339	Baron King ..	A. D.	W. Watts, Kamarooka
1176	Baron Lee ..	A. D.	G. Trower, Archdale
355	Baron Lee ..	3 D.	J. Millseed, Lascelles
716	Baron Lee ..	A. D.	L. J. Wallace, Mepunga East
638	Baron Loch ..	4 D.	N. J. Trower, Glencairn
1133	Baron Loch ..	A. D.	W. Kempton and Sons, Camperdown
1119	Baron Mac ..	6 D.	W. Sheehan, South Muckleford
458	Baron Mac ..	3 D.	W. Davis, Corowa, N.S.W.
1306	Baron Major ..	A. D.	W. Hand, Willenabrina
50	Baron Masterstroke	A. D.	Donnan Bros., Watchupga
820	Baron May ..	A. D.	J. J. Quinn, Elmore
1195	Baron Mountain Monarch	6 D.	H. Gilmore, Thornton
1020	Baron Newfield ..	A. D.	F. A. Burkinshaw, Wareek
1279	Baron Pettie ..	A. D.	J. Price, Mologa
753	Baron Pride ..	4 D.	L. Belleville, Watchem
356	Baron Prince ..	4 D.	H. D. Boxall, Woomelang
1046	Baron Pryde ..	4 D.	T. A. Sanderson, Pinnaroo
435	Baron Sportsman	4 D.	Bailey and McClelland, Woomelang
1288	Baron Style ..	A. D.	J. P. Belleville, Watchem
408	Baron Victor ..	A. D.	W. P. Leach, Lake Bolac
581	Baron Wallace ..	4 D.	M. J. Sheridan, Donald
63	Baron Weerite ..	A. D.	J. Manifold, Weerite
501	Baron Willie ..	A. D.	L. A. Morris, Numurkah
64	Barons Best ..	A. D.	Mrs. M. J. Bartlett, Kaniva
278	Barons Chief ..	3 D.	Mrs. M. J. Bartlett, Kaniva
193	Barons Fashion ..	3 D.	R. Yetman, Turriff East
191	Barons Imprint ..	4 D.	J. S. P. Allen, Broughton
1259	Barons Royal Chief	A. D.	Mrs. A. V. Shard, Ouyen
260	Barons Star ..	A. D.	W. J. Currell, Cowley's Creek
963	Barry Boy ..	A. L.	B. O'Sullivan, Seymour
183	Battery Head ..	4 T.	R. H. Larcombe, Mt. Moriac
747	Battyl	5 T.	Muller Bros., Nagamble
126	Bay Garvin ..	A. D.	J. Nash, Corio
1329	Beau Cavalier ..	A. D.	G. T. Wallis, Serviceton
98	Beau Fils ..	A. T.	Trustees of the Estate of the late W. E. Mitchell, Corryong
1100	Belford Knight ..	5 D.	R. T. Haines, Finley, N.S.W.
1052	Belgians Boy ..	5 D.	H. G. Kruger, Croxton East
254	Belgians Choice ..	A. D.	J. Bell, Merino
1132	Belmain Belmont	A. D.	L. J. King, Quambatook
634	Belmains Pride ..	4 D.	Mrs. J. McLean Manangatang
419	Belmont ..	A. D.	G. Winnett, Reedy Flat
326	Belmont Abbey ..	6 L.	E. Dunbar, Belmont
112	Belmont Again ..	A. D.	O. Jaeschke, Angip
612	Belmont Prince ..	6 D.	J. Tweddle, Murchison East
922	Belmont Print ..	A. D.	J. M. Egan, Woodleigh

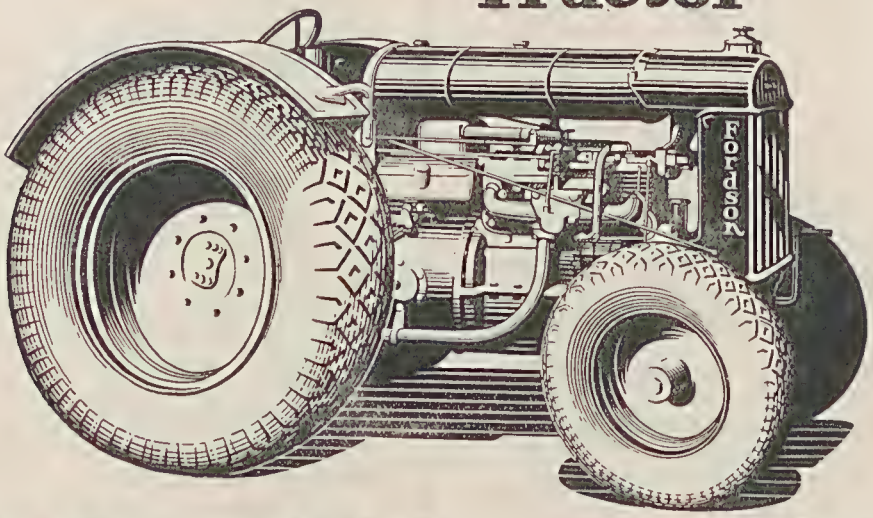
* *Note.*—Age in years. A., aged; D., draught; L., light; P., pony; T., thoroughbred.

STALLION REGISTER 1934–35—*continued.*

Cert. No.	Name.	Age* and Class.	Owner and Address.
255	Belmont Stephen..	A. D.	A. J. D. McRae Gre Gre North
736	Belville Favourite	4 D.	S. Fisher, Panitya
170	Ben Hamilton ..	A. D.	A. C. Bailey, Woomelang
37	Ben Lomond ..	A. D.	F. C. Oppenlander, Swan Hill
914	Ben Model ..	A. D.	H. Adams, Yaapeet
58	Benowrie Baron Dale	A. D.	S. Gould, Wedderburn
296	Bentrovata ..	5 D.	A. Dahlenburg, Winiam East
890	Berkeley Bantam	A. P.	R. Crozier, South Morang
138	Berkeley's Top ..	3 P.	W. Weigall, Couangalt
91	Berra Bach ..	A. P.	O. W. Zerbst, Diapur
319	Berwick Victor ..	A. D.	R. Day, Nathalia
1134	Berwyn Sir Craig..	A. D.	W. and L. Oliver, Diggora West
777	Bill Marie ..	3 T.	D. Murphy, Rochester
1110	Bingen	A. L.	F. Luck, Shepparton
1204	Black Bunny ..	6 P.	Mrs. F. R. Renwick, Cheltenham
977	Black Bute ..	3 D.	A. E. Hoffman, Beulah
764	Black Campbell ..	4 D.	W. G. Giles, Hopetoun
673	Black Dale ..	3 D.	W. H. Waldron, Carramballuc
407	Black Jack ..	A. P.	J. Bell, Ararat
465	Black Prince ..	3 D.	M. Harris, Quantong
991	Black Prince ..	A. P.	J. Bell, Ararat
417	Black Prince ..	A. D.	W. J. Ibbs, Gannawarra
1236	Black Wasp ..	A. P.	E. Wheelahan, Ballan
1022	Blackadder ..	A. T.	J. G. Adams, Mansfield
774	Blue Hills ..	4 L.	C. H. Neilson, Baringhup East
350	Blue Mark ..	4 D.	Harrison and Sons, Gladfield
62	Blue Peter ..	A. D.	F. Morton and Son, Geelong
387	Blairs Laddie ..	A. D.	C. G. McKenzie, Boonoonar
701	Blairs Pride ..	A. D.	Moloney Bros., Patchewollock
898	Bob Avon ..	A. P.	N. W. Crowley, Pakenham East
1261	Bob Simmer ..	A. P.	R. J. Darcy, Mooroopna
607	Bobs	A. D.	A. O. Allen, Murrayville
562	Bobniak ..	A. L.	H. F. Clarke, Miepoll
919	Bold Acton ..	A. D.	W. G. Burns, Lemon Springs
508	Bold Arthur ..	A. D.	C. H. Feldtmann, Major Plains
273	Bold Bangaroo ..	3 D.	D. N. McDonald, Miram
111	Bold Bill ..	6 P.	J. R. Morrison, Terang
660	Bold Boy ..	A. D.	N. A. Proctor, Caulfield
1139	Bold Boy ..	5 P.	N. A. Merryfull, Rushworth
344	Bold Boy ..	4 D.	T. G. Marshall, Lorquon
434	Bold Brae ..	3 D.	D. H. Light, Curyo
1130	Bold Briton ..	A. D.	R. N. Dunn, Rupanyup
821	Bold Captain ..	A. D.	Miss H. Domaschenz, Netherby
464	Bold Corriedale ..	4 D.	M. D. Fitzpatrick, Barraport West
900	Bold Dale ..	A. D.	S. A. Burdett, Hopetoun
507	Bold Douglas ..	A. D.	R. Stewart, Barwite
884	Bold Drumcross ..	5 D.	C. C. Adkins, Arawatta
897	Bold Favorite ..	A. D.	A. White, Derby
481	Bold Jack ..	3 D.	M. T. Hogan, Jeffcott
1063	Bold Jack ..	4 D.	J. Mann, Ceres
363	Bold King ..	A. D.	D. Rumbold, Baringhup West
480	Bold Laddie ..	3 D.	J. O'Connor, Charlton
499	Bold Max ..	3 D.	R. J. Ferguson, Berrimal
103	Bold Pat ..	6 D.	F. J. Glen, Walpeup
1066	Bold Scott ..	A. D.	H. and L. Lear, Mitre
883	Bold Silk ..	3 D.	A. P. Wade, Glen Alvie
669	Bold Silk ..	3 D.	T. A. Myers, Dean
349	Bold Squire ..	A. D.	E. F. Schmidt, Kellalac
1310	Bold Success ..	A. D.	J. Rumbold, Laanecoorie
559	Bold Victor ..	3 D.	J. W. Skehan, Oxley
1188	Bold Voyage ..	6 L.	G. McDonnell, Mt. Egerton
620	Bold Wallace ..	A. D.	W. J. Wohlers, Pinnaroo
1167	Boldrewood ..	5 T.	C. R. McKenzie, Cressy
320	Bon Accord ..	A. D.	R. Brindley, Avondale
770	Bon Ord ..	3 D.	C. P. Davies, Eddington
813	Bona Vista ..	A. D.	C. R. McKenzie, Cressy
1293	Bonnie Baron ..	A. D.	R. N. Scott, Kongwak
892	Bonnie Brae Flash Norman	3 D.	T. G. Dellar, Willenabrina North
17	Bonnie Caesar ..	A. L.	C. P. Campbell, Glenorchy
724	Bonnie Craig ..	4 D.	J. Madill, Undera
1007	Bonnie Dundee ..	6 L.	W. H. Barmby, Yaapeet
802	Bonnie Knight ..	A. D.	A. D. McLennan, Derrinal
56	Bonnie Lad ..	6 D.	J. H. Haustorfer, Natimuk
474	Bonnie Prince ..	5 D.	M. P. Cleary, Nooramunga
474	Bonnie Prince Charles	4 D.	R. W. Dunn, Burrumbeet
310	Bonnie Salisbury..	A. D.	C. H. Feldtmann, Major Plains
1033	Bonnie Star ..	A. D.	E. S. Gillespie, Rockbank
324	Bonnie View Dignity	A. D.	J. L. Judd, Yanac
270	Bonnies Pride ..	4 D.	J. F. Harington, Tempy
375	Bonniefield Viceroy	3 D.	Lynch Bros., Milburlong
1008	Bonny Mac ..	A. D.	Mrs. A. Laidlaw, Ararat
536	Bonny View Squire	3 D.	C. E. Roulston, Coleraine
1319	Boorongie Prince	A. D.	L. J. Grant, Chinkapook
358	Bouncer ..	4 D.	O. J. Norton, Melton
1272	Bower	A. L.	G. H. Young, Oakleigh
424	Bowview Belmont	6 D.	Mrs. R. Cook, Thalia
763	Boxvale Briton ..	3 D.	E. J. Semmler, Hopetoun
537	Brackenhurst Pride	3 D.	A. Gibbard, Vectis East
748	Braemore Baron	5 D.	A. L. Young, Invergordon
1160	Brigham Lad ..	5 P.	W. G. Pharaoh, Warragul
167	Brigham Boy ..	4 P.	J. L. Morrison, Boinka
608	Bright Star ..	A. D.	J. Walker, Corio
538	Brighton Hero ..	3 D.	W. and D. Davies, Wail
1091	Brilliant Dawn ..	3 D.	S. L. Bowden, Won Wron
1292	Brilliant Jim ..	A. P.	R. N. Scott, Kongwak
1264	Brilliant Morn ..	A. D.	H. Sundermann, Heyfield
1026	Brilliant of Shetland Heights	6 P.	W. T. Mitchell, Lower Bethanga
463	Brilliant Star ..	5 D.	J. King, Quambatook
1241	Brilliant Youth ..	A. D.	L. Walter, Tatura
97	Britannia ..	A. D.	C. S. Rodda, Warracknabeal
1103	Britons Bold ..	A. D.	O. T. Noske, Montajup
1108	Britons Fame ..	A. D.	C. A. Schulze, Lake Hindmarsh
345	Britons Royal ..	3 D.	R. P. Fischer, Jeparit
1151	Broadview Premier	5 D.	J. P. and C. Della, Lake Hindmarsh
719	Bronze Direct ..	3 L.	R. J. Scott, Red Cliffs
873	Broomfield Royal	3 D.	J. A. Hinton, Vite Vite
587	Broughdoun Underslade	5 D.	J. Henderson, Baulkamaugh
1029	Brown Alexander	A. D.	A. Thompson, Werribee
628	Brown Dale ..	4 D.	Pitcher Bros., Tatyoon
108	Brynwood's Pride	A. D.	P. L. Waters, Pyramid
752	Buchlyvie Bray ..	4 D.	J. H. Walder, Watchem
901	Buchlyvie's Choice	A. D.	J. Dixon, Ulswater
637	Buonacque Silver Morn	5 D.	Mrs. H. Wharton, Manangatang
57	Burnfoot Style ..	A. D.	S. J. Lynn, Orbost
172	Burnside Baron ..	A. D.	G. Luckie, Springhurst
168	Burnside Mark ..	3 D.	J. L. Morrison, Boinka
444	Butes Flashdale ..	A. D.	M. J. Ryan, Broughton
1340	Bylands Brilliant	A. D.	H. D. Adams, Undera
746	Bylands Treasure	4 5	D. Crane, Nathalia
176	Canendale Norman	3 D.	H. S. Maddern, Serviceton
1314	Capitalist ..	A. D.	A. K. Urquhart, Hexham
384	Captain ..	3 D.	Cassidy Bros., Ouyen
242	Captain Black ..	A. L.	J. Flanagan, Omeo
163	Captain Bush ..	3 D.	T. Robson, Crowsnest
694	Captain Craig ..	3 D.	J. Slorach, Pomonal
1051	Captain Lochiel ..	5 L.	N. Gubbins, Birregurra
543	Captain Regulus	6 D.	Phillips Bros., Tatyoon
468	Captain Slade ..	3 D.	T. Moroney, Barnedown
243	Captain Wood ..	A. L.	J. A. Menzel, Hamilton
409	Caravio ..	A. P.	E. McKoy, Wodonga
1175	Carma Younger ..	A. P.	W. Younger, Hansonville
643	Carmore ..	3 D.	L. T. Powles, Cobram
572	Carmyle ..	6 D.	R. V. Colliver, Cora Lynn
751	Carn Brae ..	3 D.	Mouser and Sons, Woomelang
204	Carovita ..	A. P.	W. H. Jordon, Mirboo North
1232	Carrick Flash Chevalier	3 D.	W. Barber, Lorquon
1165	Carville ..	A. T.	D. Hade, Bass
790	Cavalcade ..	3 D.	Tucker Bros., Jung
359	Cave King ..	A. L.	H. Foster, Kerang
813	Cedric Hero ..	A. D.	W. Craigen, Tempy
899	Centenary ..	4 L.	W. J. Pankhurst, Tongala
683	Centredale ..	A. D.	N. A. Proctor, Caulfield
540	Ceren Favourite ..	3 D.	C. E. and R. Peterson, Kellalac
982	Ceren Wonder ..	3 D.	C. E. and R. Peterson, Kellalac
676	Challambra Chieftan	3 D.	A. and A. W. Bell, Warracknabeal
1075	Chief Alex ..	5 D.	H. Gittens, Bendigo
588	Chief Douglas ..	5 D.	R. S. Brunt, Kyabram
767	Chief Mark ..	4 T.	M. Hutchinson, Pine Grove
879	Chief Mate ..	4 T.	W. L. Cooke, Hamilton
1083	Civilian ..	5 T.	C. Jones, Moyhu

* *Note.*—Age in years. A., aged; D., draught; L., light; P., pony; T., thoroughbred.

The New *English* Fordson Tractor



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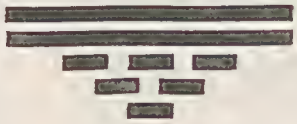

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STALLION REGISTER 1934–35—*continued.*

Cert. No.	Name.	Age* and Class.	Owner and Address.
180	Clair's Pride ..	A. D.	J. Nunn (jnr.), Birchip West
1312	Clan Campbell ..	A. D.	J. E. Newitt, Brim
1126	Clan Stewart ..	6 D.	T. G. Bartlett, Gerang Gerung
721	Clarkvale Squire	4 D.	J. H. Rogers, Dhurringile
490	Claybanks Pride	3 D.	Mrs. G. Booley, Galah
491	Claybanks Sammy	3 D.	V. S. Carter, Merrinee
410	Claymore Junior	A. P.	J. P. Hanrahan, Ballan
539	Clearfield Dignity	3 D.	A. E. Ballinger, Garup
1179	Clematic Major ..	3 D.	D. Woolfe, Warragul
722	Cleveland Viceroy	5 D.	Craven Bros., Toolamba
1122	Cliffdell ..	A. D.	W. G. Hall, Talbot
976	Cliffy Isle ..	3 D.	R. J. Simpson, Cathkin
696	Clifton Again ..	3 D.	H. M. Hyder, Benetook
1081	Clifton King ..	3 D.	R. L. Henderson, Burrumbeet
1183	Cloyne's Echo ..	3 L.	Mrs. T. Lakey, Brewster
267	Clonmore Premier	4 D.	W. Elphinstone, Millgrove
642	Cobram Craig ..	5 D.	P. McCormack, Cobram
993	Cock o' the North	5 D.	N. C. Hodgson, Hedley
443	Coilsfield Monarch	3 D.	C. J. Picken, Oakleigh
1239	Cole King ..	A. L.	Jas. Opray, Nerrena East
937	Collarado ..	6 L.	G. Shanaughan, Warracknabeal
148	Colonel Craigends	4 D.	W. Bunworth, Griffiths, N.S.W.
880	Colonel Erskine ..	5 D.	Millard Bros., Dean's Marsh
1289	Commodore ..	A. P.	R. S. Williams, Kongwak
61	Commodore Nut ..	A. P.	J. Manifold, Weerite
855	Compensation ..	3 D.	R. A. Bretag, Goolgowi, N.S.W.
888	Comrade ..	A. L.	R. Dunbar, Harston
81	Conqueror ..	A. D.	C. J. Bowd, Sea Lake
377	Coonara Champion	3 D.	R. V. Colliver, Cora Lynn
762	Coorara Flash Ian	3 D.	G. C. Bellinger, Hopetoun
128	Cooring Dale ..	A. D.	A. N. Hamilton, Bannerton
487	Cooring Monarch	A. D.	A. Murray, Coldstream
152	Cormack's Hero ..	3 D.	Mitchell and O'Brien, Melbourne
959	Count Bingen ..	A. L.	F. E. Sanders, Netherby
376	Count McLean ..	3 D.	R. H. Larcombe, Mt. Moriac
685	Count Zarynoff ..	A. D.	J. M. Egan, Bunding
981	Cowden Refiner ..	3 D.	R. V. Quick, Angip
153	Cracksman ..	3 D.	R. Carroll, Perth
400	Craig Fashion ..	3 D.	H. Morrison, Dumosa
531	Craig of Hazeldene	5 D.	J. L. Dishon, Stavely
778	Craigend ..	3 D.	D. Murphy, Rochester
980	Craigie Bold Venture	5 D.	A. Arnold, Warracknabeal
1015	Craigie Lad ..	A. D.	T. McGrath, Minyip
761	Craigie McLennan	5 D.	C. Phillips, Hopetoun
180	Craigie Masterstroke	A. D.	A. Arnold, Werrigar East
979	Craigie Refiner ..	5 D.	A. Arnold, Werrigar East
257	Craigie Winalone	6 D.	J. Mills and Sons, Finley, N.S.W.
926	Craig's Ideal ..	A. D.	Mrs. A. Trollop, Cope Cope
1243	Craigwillie of Bolobek	A. D.	W. Walter, Tatura
1125	Crighton's Tim ..	A. P.	S. A. Greaves, Narre Warren
545	Cromdale Star ..	3 D.	K. Cameron, Warracknabeal
1207	Cronje Wilkes ..	A. L.	G. B. Mackie, Camperdown
114	Cruncher ..	A. D.	Sharp and Taylor, South Melbourne
606	Crystal Tide ..	A. D.	A. Dickins, Corowa
123	Culbo	A. P.	A. W. Thomson, Hamilton
864	Cullivel Evergreen	3 D.	W. N. and F. A. Lord, Mitta Mitta
1150	Culloden's Return	5 L.	Mrs. D. M. Rogasch, Dimboola
1323	Cymbrel ..	A. L.	S. Hancock, Poowong
1016	Cymro Harold ..	A. P.	E. J. Boyle, South Lillimur
1023	Cyndette ..	A. P.	J. R. Shingles, Maffra
365	Dahlen Mac ..	3 D.	A. H. Pietsch, Dimboola
448	Dalawney Again	4 D.	M. J. Hooper, Towaninnie
244	Dalcrombie ..	A. D.	J. H. Roberts, Laibert
745	Dales Footprint ..	4 D.	J. W. McDougall, Katandra
1285	Dalla Derby ..	A. L.	F. W. Shillito, Yendon
986	Dalla Direct ..	4 L.	D. Gonne, Ballarat
546	Dallas Image ..	4 L.	B. McManus, Green Lake
200	Dalmore Again ..	A. D.	Millard Bros., Dean's Marsh
321	Dalmore Dale ..	A. D.	Mrs. S. A. Trotman, Nyarrin
704	Dalmore Dan ..	A. D.	F. J. Matthews, Crowlands
496	Dalmore Prince ..	3 D.	J. Sutton, Fenton's Creek
969	Dalmuirs Patriot	3 D.	G. E. Mibus, Moutajup
505	Dalradient ..	A. D.	J. P. Fraser, Beaufort
760	Dalrymple ..	4 D.	L. W. Brown, Hopetoun
1203	Dandy	A. P.	F. McCraw, Catani
782	Dandy	3 P.	W. Kennedy, Murtoa
291	Dandy Dick ..	A. P.	W. Hudson, Merbein West
322	Dandy Duke ..	A. P.	Kong Meng Bros., Longwood
1135	Dandy Luck ..	A. P.	Mrs. M. L. Johnson, Doreen
1090	Dandys Pride ..	3 P.	A. E. Clark, Mack's Creek
749	Darnley ..	3 D.	E. Sutton, Boigbeat
871	Dart	4 P.	P. L. Heenan, Coleraine
1290	Dave Douglas ..	A. D.	Colbert Bros., Broughton
162	Daylesford King	3 D.	W. W. Stephan, Dimboola
347	Dehlura Bankers Fortune	4 D.	B. Schultz (snr.), Ni Ni Well
854	Dehlura Scottish Glenalmond	3 D.	J. M. Phillips, Shepparton
584	Depression ..	3 D.	C. H. McDonald, Myall
1027	Derby Childe ..	A. L.	L. J. King, Barraport
817	Desert Pos ..	A. L.	J. Hewish, Euroa
1235	Device	6 L.	R. Smales, Irymple
1301	Devonlea Lad ..	3 T.	W. Walter, Tatura
338	Devonlea Norseman	3 D.	W. C. Rothacker, Serpentine
1253	Diamond Star ..	5 D.	H. Sunderman, Dawson
1164	Dibblitz Minor of Shetland Heights	5 P.	R. J. Maclellan, South Yarra
48	Dibblitz of Penniwells	A. P.	Mrs. A. D. Maclean, Yan Yean
1273	Dimboola ..	A. T.	C. A. Rogers, Warrnambool
203	Dinna Forget ..	A. D.	Stepnell Bros., Scotsburn
323	Direct Abdullah ..	A. L.	Mrs. E. C. Gibb, Moolap
476	Dixie Pronto ..	3 L.	J. J. Gilbert, Devenish
1291	Domination ..	A. P.	C. T. Lucas, Pomborneit
241	Don Abbey ..	A. L.	E. Parish, Horsham
1221	Don Ribbons ..	A. L.	Mrs. H. Hanel, Shepparton
651	Don Salatis ..	A. T.	D. F. McVean, Corryong
1129	Don Swift ..	A. L.	A. Harvey, Berriwillock
60	Donald Don ..	5 D.	C. Shingles, Stratford
573	Donald March ..	3 D.	W. Tuck, Annuello
245	Donalds Best ..	A. D.	A. F. Downie, Donald
78	Dooling Slade Avon	3 D.	E. McManus, Sea Lake
1102	Double Court ..	A. T.	J. Pearce and W. and C. F. Wheeler, Towong
1031	Douglas Chief ..	A. D.	E. G. Traeger, Merbein
160	Douglas Hero ..	A. D.	G. Condon, Bacchus Marsh
246	Douglas Patrician	6 D.	T. A. Heard, Noradjuha
1337	Douglas Prince ..	4 D.	G. E. Wagenfeller, Karween
185	Drumcross Success	5 D.	L. R. Kossatz, Netherby
1220	Drummer Boy ..	3 D.	A. Cassidy, Murchison East
1146	Drumry Boy ..	4 D.	A. and E. Anderson, Yea
811	Drumry Equipment	A. D.	H. H. Shandley, Leongatha
204	Drumrys Pride ..	A. D.	J. Currie, Balmattum
705	Duddon ..	A. T.	A. P. Wade, Glen Alve
1017	Duke	A. D.	L. G. Short, Craementon
641	Duke of Glenmore	5 D.	W. E. Maidment, Sandmount
990	Dukemore ..	A. D.	J. E. Maxwell, Hopetoun
823	Duncan Stewart ..	A. D.	F. G. Fitzpatrick, Heyfield
600	Dundrum ..	4 T.	W. H. Arthur, Lillimur
594	Dunduff Signet ..	3 D.	W. J. Cobbledick, Bunbartha
1018	Dunira James ..	A. D.	S. O'Neil, Minyip
1149	Dunlea Footprint	4 D.	R. W. Dunn, Rainbow
793	Dunlops Renown	4 D.	A. Grant, Canterbury, N.Z.
385	Dunmores Pride ..	A. D.	G. L. Page, Torrita
462	Dunure Blend ..	A. D.	J. S. Gull, Kenmore
830	Dunure Dale ..	6 D.	Jas. Boyle, Watchem
876	Dusky Dandy ..	4 P.	W. Bourke, Denison
6	Earl Direct ..	A. L.	F. McClelland, Boort
279	Early Morn ..	3 D.	G. H. Powell, Lillimur
290	Eastern Chief ..	3 D.	M. O'Callaghan, Borrongie
931	Eaton Headlight	A. D.	E. W. Schneider, Yulecart
382	Ebony Stamp ..	A. D.	J. Tallent, Berrybank
1238	Eclypse ..	A. D.	G. Wakefield, Walpeup
495	Eclypse of Lauriston	5 D.	H. R. Weir, Ouyen
1277	El Dorado ..	A. T.	N. Healy, Sandford
1082	Eldorain ..	4 L.	D. N. McDonald, Miram
1244	Ellangowan ..	A. D.	W. Walter, Tatura
304	Ellersile Dale ..	6 D.	P. T. Lee, Birchip
262	Ellersile Lord Fenwick	3 D.	E. Prater, Berriwillock
179	Emerson ..	A. T.	A. Arnold, Werrigar East
1085	Emfred ..	5 T.	A. Kennedy, Arcadia
706	Enterprise ..	A. D.	C. H. Perkins, Rainbow

* *Note.*—Age in years. A., aged; D., draught; L., light; P., pony; T., thoroughbred.

STALLION REGISTER 1934–35—*continued.*

Cert. No.	Name.	Age* and Class.	Owner and Address.
1080	Ercildale Norval	4 D.	J. Henderson, Burrumbeet
75	Eskdale Nugget ..	6 D.	T. Ley, Eskdale
560	Ettrick Bankdraft	5 D.	J. Turnbull, Bungowannah
248	Ettrick Dale ..	A. D.	J. Fuzzard, Numurkah
16	Everlasting Dale	A. D.	A. E. Cox, Alma
155	Fabricator Supreme	3 D.	A. Young, Horsham
1155	Factotum ..	A. D.	J. Richardson, Glenthompson
994	Fairboy ..	A. P.	J. J. Slater, Sale
379	Fairview Good Hope	3 D.	W. Cozens, Leongatha
380	Fairview Great Hope	3 D.	H. Trimble, Shepparton
534	Fairy Hill Baron Francis	3 D.	H. M. Parkin, Lower Norton
561	Famous Voyage ..	A. L.	P. A. Beaumont, Ouyen
7	Farleton Baron ..	3 D	T. Walsh, Catani
186	Farleton Bold ..	4 D.	H. S. Maddern, Serviceton
889	Farleton Bold Record	A. D.	R. Crozier, South Morang
1062	Farleton Seawave	4 D.	H. E. Poulton, Quondong Park
1157	Favourite Lad ..	A. D.	C. E. Gomm, Somerville
139	Federal Knight ..	5 D.	A. T. Barnard, Morgan's Bridge
732	Federal Prince ..	3 D.	E. Wilson, Llanelly
1128	Fenwicks Pride ..	A. D.	O. Bassett, Sandmount
756	Fernbank Marshall	3 D.	W. L. Moss, Numurkah
916	Fighting Top ..	A. T.	T. Robertson, Kirkstall
224	Fine View Baron Royal	A. D.	W. H. Gibbons, Galah
962	Fine View Elect	A. D.	T. Kelly, Minyip
249	Fine View Favour	A. D.	E. Hehr, Wollert
82	Fine View Premier	A. D.	K. Cameron, Warracknabeal
32	Fine View Print	A. D.	G. E. Candler, Hamilton
1181	Fine View Squire	A. D.	J. G. Mitchell, Melbourne
101	Finley Direct ..	A. L.	H. S. Minchin, Picola
1341	First Grattan ..	A. L.	H. D. Adams, Undera
875	Flash	3 D.	F. C. Newton, Nambrok
575	Flash Boy ..	3 D.	F. H. Coombs and Son, Mangalore
416	Flash Bute ..	A. D.	State Research Farm, Werribee
891	Flash Douglas ..	3 D.	C. H. Pearson, Greenlake
1265	Flash Dunure ..	A. D.	J. Bagnell, Mologa
636	Flash Oak ..	3 D.	A. W. Ridley, Manangatang
870	Flash of Fenwick	3 P.	J. L. Arthur, Coleraine
1174	Flash of the North	A. D.	G. R. Hildebrand, Leitchville
457	Flash Timekeeper	5 D.	Mrs. T. Clarke, Laceby South
1267	Flash Trust ..	A. L.	G. R. Robson, Warracknabeal
1269	Flash Voyage ..	A. L.	C. T. Evans, Rathscar
406	Flashlight ..	6 D.	C. R. Rigby, Hamilton
367	Fleurason ..	4 T.	W. F. Blackley, Dimboola
861	Fleuriste ..	A. T.	A. Brown, Rupanyup
592	Florentine ..	3 D.	A. D. Keir, Melbourne
940	Floritius ..	A. L.	J. J. Hardy, Casterton
567	Foreman ..	A. D.	F. E. Thompson, Cowangie
1148	Forest Dale ..	3 D.	H. J. Williamson, Rainbow
113	Fred La ..	A. L.	P. J. Thompson, Krowera
305	Full Power ..	A. T.	W. Stewart, Piermillan
157	Fyvielea Pearl ..	3 D.	R. Carroll, Perth
677	Gainswood ..	4 L.	A. E. Herrmann, Dimboola
205	Gallant Jock ..	A. D.	S. L. Gordon, Lismore
33	Gallant Kerrston	A. D.	W. J. Beanham, Lilliput
164	Gallant Lad ..	A. D.	J. Magee, Jung
206	Gallant Macarthur	A. D.	T. Nankervis, Diggora South
175	Game Boy ..	4 D.	Mrs. E. M. Kirk, Donald
622	Gay Bold ..	A. D.	Amarant Bros., Wattle Creek
381	Gay Choice ..	3 D.	J. Carew, Kilcunda
265	Gay Dan ..	4 D.	C. H. Haggblom, Sea Lake
150	Gay Fergus ..	3 D.	F. A. Lehmann, Lismore
8	Gay Robin ..	A. D.	H. Ingram, Bonang
1189	Gay Serenader ..	A. T.	W. Mallinson, Stoneyford
674	Gay Win ..	3 T.	F. W. G. Faux, Horsham
741	Gaywell ..	5 D.	H. G. Burge, Landsborough
574	General Elmo ..	3 L.	Mrs. R. M. Burton, Goschen
1344	General Harvey ..	A. D.	H. E. Byron, Woomelang
680	General William ..	3 D.	C. W. Joiner and Sons, Orbost
675	Gillingall ..	5 T.	W. D. Armitt, Bindi
425	Glen Ayr ..	A. D.	G. Peters, Eskdale
1002	Glen Baron Belmont	6 D.	T. Gilchrist, Rutherglen
744	Glen Baron Scott	3 D.	J. Parker, Dookie
261	Glen Bower Bounty	4 D.	W. Heard, Noradjuha
1028	Glen Cairn ..	A. D.	W. T. Mitchell, Lower Bethanga
1152	Glen Isla ..	A. D.	F. Perry, Corack
699	Glen Major McKie	A. D.	W. M. Graham, Picola North
783	Glenavon ..	3 T.	M. J. Tobin, Jung
848	Glenbower Chief	4 D.	S. G. Hayward, North Wangaratta
328	Glenburn Laddie..	5 D.	M. Martin, Gowanford
218	Glencairn Rob Roy	A. D.	W. and C. Oliver, Diggora West
646	Glendale Rowan ..	A. D.	A. E. Partridge, Macley River, N.S.W.
564	Glendalough Favour	3 D.	T. Fleming, Hiamdale
1003	Glengyle ..	A. P.	C. Jones, Moyhu
1061	Gleniris Norman ..	3 D.	W. D. Edwards, Hopevale
149	Gleniris Willie ..	A. D.	F. H. Baker, Jung
1311	Glenmere Craig ..	A. D.	J. Rumbold, Laanecoorie
663	Glenscott ..	A. D.	A. B. Gibbins, Murrabit
1305	Globes Image ..	A. L.	J. Ohlin, Gooramadda
838	Gortland ..	A. T.	Police Department, Melbourne
812	Gobbler ..	A. D.	M. J. Cahill, Mannibadar
4	Gold Digger ..	3 D.	A. Dickins, Corowa
134	Gold Finder ..	3 D.	S. A. Grey, Westbury, Tas.
1230	Golden Simmer ..	A. P.	M. O'Brien, Hamilton
788	Gowan Premier ..	5 D.	C. Mitchell, Leongatha
1136	Graculus ..	A. T.	S. Loveridge, Corowa
446	Grand Chimes ..	4 L.	G. Riddington, Yackandandah
1004	Grand Derby ..	A. L.	S. Black, Branxholme
1191	Grand Harold ..	4 L.	A. Free, Leitchville
950	Grand Opera ..	A. L.	J. J. Guidice, Kangaroo Flat
399	Great Alex ..	4 D.	J. Molloy, Towaninnie
815	Great Derby ..	A. L.	L. W. Crapper, Neilborough
666	Great Persuasion	5 D.	T. H. Sutherland, Sulky
397	Greenlea Favourite	3 D.	J. Smith, Melbourne
1256	Greenlea Obligato	3 D.	J. Smith, Melbourne
589	Grennan Macgregor	3 D.	J. D. McNaughton, Murchison
547	Gum View Prince Buchlyvie	3 D.	W. J. Westendorf, Dimboola
698	Guy	4 P.	A. G. Hunter, Seymour
868	Gwalia	4 P.	E. McKoy, Wodonga
1185	Hampton Ben ..	A. D.	J. M. Peters, Warracknabeal
1247	Happy Jack ..	6 L.	C. Nolte, Coleraine
1118	Hard Times ..	A. D.	D. Murphy, Rochester
799	Harold Pronto ..	A. L.	C. S. Walker, Swan Hill
1073	Harry Lauder ..	5 L.	R. Butler, Newstead
922	Harry Picture ..	A. L.	Mrs. A. Egan, Rochester
618	Harvest King ..	A. T.	A. T. Ingram, Orbost
797	Harvester Hugh ..	3 D.	P. L. Williams, Miram
280	Hawkesdale Defiance	4 D.	C. C. Hawker, Lillimur
580	Hawkesdale Echo	3 D.	J. Davison, Donald
281	Hazeldene ..	5 D.	D. Trewick, Elmore
795	Hazeldene Aitken	3 D.	G. A. Meyer, Kaniva
796	Hazeldene Reid ..	3 D.	R. G. Ervin, Nhill
500	Heather Jock ..	A. D.	H. Hayward, Skipton
1260	Heather Mac ..	A. D.	Fuller and Sprigg, Mitre
1229	Heir Apparent ..	A. T.	W. T. Cox, Moolort
479	Heirloom ..	4 D.	E. and E. Powell, Teddywaddy
1213	Henham Lad ..	3 T.	C. Graham, Neerim
929	Herdsman's Treasure	A. D.	J. Waite, Nathalia
743	Heritage ..	3 T.	T. W. Ballintine, Cosgrove
773	Hero	3 P.	W. J. Greaves, Lyndhurst
564	Hero's Lad ..	A. D.	W. Fowler, Kerang
306	Herward ..	A. D.	H. Wright, Barmah East
307	High Honor ..	A. D.	D. Holean, St. James
1246	Highland Mac ..	4 D.	T. Parr, Strathallan
398	Hill Park Masterpiece	5 D.	A. W. Watson, Nullawil
481	Hill Park Masterstroke	5 D.	R. J. Jones, Maryborough
1072	Hill Park Sunslade	3 D.	J. Hearn, Shepparton
117	Hill View Rising Star	6 D.	J. J. Gleeson, Southern Cross
672	Hill View Rising Sun	6 D.	W. A. McClennan, Bungaree
34	Hillhead Knight ..	A. D.	A. N. Flavel, Detpa
339	Hillside Herod's Star	3 D.	H. H. Kronberg, Thoona
657	Hillside Radiant ..	3 D.	Morris Bros., Minyip
103	Holton	A. D.	Gaulke Bros., Tarranyurk
337	Homestead Simon's General	4 D.	L. J. Midgley, Minyip
1202	Homeward Bound	A. L.	D. and J. McCamey, Tinamba
1240	Honest Mac ..	A. D.	O. R. Poole, Fenton's Creek

* *Note.*—Age in years. A., aged; D., draught; L., light; P., pony; T., thoroughbred.

STALLION REGISTER 1934–35—*continued.*

Cert. No.	Name.	Age* and Class.	Owner and Address.
21	Horoscope ..	A. D.	F. Baker, Jung
1199	Hotspur ..	A. P.	C. Lippiatt, Scotsburn
357	Huntly Lad ..	4 D.	S. C. Mott, Lascelles
219	Huon Marvin ..	A. L.	F. G. Missen, Rockbank
219	Huon Pronto ..	3 L.	W. F. Callahan, Underbool
1153	Ian Again ..	A. L.	Mrs. R. Cook, Wilkur South
1098	Ibn Badaween ..	A. Arab	Mrs. B. Folliott Sandford, Riddell's Creek
68	Ideal Craigie ..	A. D.	Richards and Abrahams, Narrandera
207	Ideal Flashday ..	6 D.	A. and C. Dufty, Netherby
282	Ideal Imprint ..	4 D.	P. L. Williams, Miram
502	Ideal Roy ..	A. D.	C. R. Cunnington, Bamawm
194	Ideal Slade ..	5 D.	S. R. Dalton, Tempy
472	Ideal Viceroyal ..	6 D.	C. and P. McNaughton, Cavendish
867	Ideal Banter ..	6 T.	A. E. Bowman, Bethanga
283	Illoma Majestic ..	3 D.	Mrs. A. Sanders, Kaniva
184	Inglemere Superb	3 D.	W. T. Rodda, Tarranyurk
1071	Inspirer ..	5 T.	G. Smith, Newstead
957	Interest ..	A. P.	A. Kennedy, Arcadia
116	Irish Boy ..	A. D.	J. Cody, Ballarat East
154	Irton Lustre ..	3 D	West Moreton Horse Breeders' Association, Queensland
1208	Ishmael ..	3 Arab	J. F. Jelbart, Albury
348	Jack Briton ..	4 D.	A. O. Nuske, Lorquon
1251	Jack Craig ..	A. D.	V. Condon,, Toolern Vale
1030	Jack O'Diamonds	A. L.	H. L. Ferry, Mt. Moriac
652	Jacko	A. D.	R. J. Healy, Netherby
1320	Jester of Shetland Heights	A. P.	Mrs. M. Small, San Remo
449	Jock	4 D.	Mrs. M. Molloy, Towaninnie
493	Jock McGregor ..	5 D.	Latta and Smith, Walpeup
1249	John Douglas ..	A. D.	A. Gordon, Broughton
822	John Gartland ..	A. D.	G. T. Deckert, Kinimakatka
579	John Holton ..	3 D.	E. J. Leeder, Cope Cope
115	John Shepherd ..	A. D.	A. F. Dahlenburg, Salisbury
1140	Jollie Clonglockelty	4 D.	H. Allez, MacIntosh
1144	Jupiter	4 D.	E. E. Webster, Chinkapook
881	Justice	A. D.	J. Christie, Bulga
222	Jutland Chief ..	6 D.	R. Stanbury, Karawinna
369	Kardella Imprint	5 D.	Maddern and Sons, Blackheath
1212	Kelm Pride ..	A. D.	E. Williamson, Buninyong
520	Kelm's Prince ..	A. D.	Nicoll Bros., Hoddle Range
506	Kelmscott II. ..	A. D.	A. R. Yard, Murrayville
1049	Kelso Commander	4 D.	F. Hunt, Cosgrove South
1005	Kelso Ideal ..	A. D.	E. R. Prater, Berriwillock
1171	Kelso Marquis ..	5 D.	A H. Rathjen, Woodglen
331	Kelso Monarch ..	3 D.	J. H. Fuge, Rutherglen
330	Kelso Prince ..	4 D.	J. R. A. Glenn, Sale
47	Kelso Sensation ..	A. D.	Starritt Bros., North West Mooroopna
1338	Kelvin	A. D.	H. S. Graham, East Malvern
521	Ken's Pride ..	A. P.	F. McMeekin, Kyneton
710	Kerrick ..	6 D.	W. J. Westerndorf and Sons, Dimboola
433	Kia Ora Best Silk	3 D.	Donnan Bros., Watchupga
707	Killawney ..	A. D.	W. Bicknell, Archdale
1332	Kilmore ..	4 D.	C. and L. McDonald, Rochester
887	Kilty	A. L.	T. J. Scarf, Ballarat
522	King Ballance ..	A. D.	F. H. Kennett, Kaniva
913	King Billy ..	A. D.	J. I. Collins, Banyan
402	King Clyde ..	A. D.	R. C. Dennis, Woodglen
1294	King Dale ..	A. D.	P. Glenane, Ballarat
679	King Dooley ..	4 L.	J. R. Bruce, Marlo
109	King Douglas ..	6 D.	G. Melke, Dimboola
548	King Favour ..	4 D.	E. W. Linke, Beaufort
70	King Heedless ..	A. T.	J. Manifold, Weerite
371	King John ..	A. D.	J. D. Potter, Green's Creek
1325	King Victor ..	A. D.	W. S. Clarke, Bundalong South
809	King of the Roses	A. D.	M. McGillivray, Bald Rock
489	Kings Last ..	3 D.	O. J. Carter, Carwarp
619	Kings Own ..	A. D.	R. E. Nichols, Merbein West
708	Kings Pride ..	A. D.	J. W. Bartlett, Stratford
915	Kings Star ..	A. D.	Boord Bros., Yarrara
263	Kinlock Chief ..	3 D.	Mrs. E. E. Sheridan, Marnoo
772	Kinlock Hero ..	A. D.	H. M. Parkin, Lower Norton
591	Kippet Law ..	3 D.	A. D. Keir, Melbourne
869	Kooringal Boy ..	3 D.	W. Hodges, Macarthur
759	Kooringal Viceroy	3 D.	H. Kruger, Croxton East
1254	Koorongah Bar None	4 D.	J. C. Whitehead, Minhamite
132	Koorongah Bold Kerrston	5 D.	R. Lemon, Korong Vale
549	Koorongah Bold Master	5 D.	C. R. Pfitzner, Eudunda, S.A.
863	Koorongah Bold Masterpiece	3 D.	G. Oxley, Gre Gre North
523	Koorongah Craigwillie	A. D.	A. W. Hendy, Cowangie
862	Koorongah Glen Arthur	4 D.	G. Oxley, Gre Gre North
396	Kowai Sensation	3 D.	W. G. Ballantine, Cosgrove
485	Kyonga King ..	4 L.	J. Ryan, Avoca
936	Lackamore ..	A. L.	W. R. Cahill, Ky Valley
1262	Langdale ..	A. D.	M. Donnellan, Jeffcott North
102	Lansdale Again ..	A. D.	A. Carstensen, Woodside
647	Lansdale Everest	A. D.	H. R. Richards, Trawool
403	Largo	A. D.	W. G. Wilkinson, Yarrawonga
39	Late Fashion ..	6 D.	C. Summerhayes, Boigbeat
1227	Last Pos ..	3 P.	A. Gillies, Noorat
968	Lavereen Monarch	4 D.	J. Fehring, Horfield
841	Lavereen Prince Buchlyvie	A. D.	A. L. Hamilton, Corryong
775	Le Grand Footsure	4 D.	J. A. Forbes, Streatham
1095	Lea Dale ..	4 D.	S. Simpson, Yaapeet
104	Leapfrog ..	A. L.	F. Funcke, Laen
1237	Lee Derby ..	3 L.	W. J. McKay, Elsternwick
681	Leezar	3 Arab	L. M. Cushen, Kilmore
441	Lemon Grass Lieutenant	A. D.	Lindsey Bros., Bessiebelle
1222	Leonard Dale ..	A. D.	D. McDonald, Myrniong
366	Leurgan Elderchief	3 D.	P. E. Spicer, Dimboola
859	Lexel Lea Brazen Laddie	3 D.	J. Collins, Fenton's Creek
858	Lexel Lea Norval	4 D.	W. A. Wright, St. Arnaud
1094	Lilydale ..	5 D.	J. M. White, Yaapeet
1096	Lincoln Voyage ..	4 L.	J. Wait, Boort
971	Lipton ..	5 T.	L. Hill, Lake Bolac
110	Liston Duke ..	A. D.	C. S. Rodda, Warracknabeal
325	Little Brigham ..	A. P.	W. I. Greenaway, Beazley's Bridge
1107	Little Comet ..	A. P.	F. Hoysted, Wangaratta
524	Little Eumarrah	A. P.	R. Painter, Leaghur
1187	Little Maz ..	A. P.	J. B. Ellis, Bairnsdale
700	Little Ned ..	A. P.	T. Humbert, Prairie
1257	Little Tich ..	5 P.	M. Brown, Streatham
314	Little Welshman	A. P.	J. Cameron, Timor
779	Loch Garry Craig	5 D.	McDonald Bros., Rochester
615	Lochaber ..	A. L.	J. R. Canning, Creswick
1170	Lochend ..	5 P.	H. Coverdale, Bairnsdale
145	Loddon Lea Sundial	5 D.	R. McDonald, Mannerim
497	Loddon Lea Victory	4 D.	S. Laird, Calavil
629	Loddon View General Nat	4 D.	J. B. Ferguson, Waubra
584	Lomond Bold ..	3 D.	J. Gerrand, Barham, N.S.W.
755	Lomond Douglas Bold	3 D.	E. C. Watters, Tallygaroopna
466	Lone Park Hero ..	4 D.	H. Oliver, Duchembegarra
1296	Lord Aldie ..	A. D.	R. T. Redenbach, Tambo Upper
814	Lord Allen ..	A. D.	G. K. Black, Chinkapook
525	Lord Allenby ..	A. D.	G. Oxley (jnr.), Gre Gre North
1161	Lord Avon ..	5 D.	J. Foley, Llowlong
9	Lord Belmont ..	A. D.	W. K. Stokes, Riddell
186	Lord Cedric ..	A. D.	W. J. Currell, Cowley's Creek
195	Lord Cedric ..	4 D.	J. Heggarty, Turriff
146	Lord Dundonald	5 D.	Mrs. A. V. Shard, Ouyen
952	Lord Fabric ..	A. D.	A. D. Thompson, Wyuna
69	Lord Marvin ..	6 L.	J. V. Foster, Richmond
709	Lord Moray ..	A. D.	H. Crump, Koyuga
1074	Lord Pettie ..	3 D.	M. Daffey, Mitiamo
1268	Lord Remarco	A. T.	C. A. Lawrance, Apsley
822	Lowland Lad ..	4 D.	J. M. Phillipi, Congupna Road
1300	Lowlands Marshall	A. D.	T. R. Jenkyn, Baddaginnie
987	Loyalty ..	3 P.	B. A. Kavanagh, Waubra
1025	Lucky Boy ..	A. D.	Graham Bros., Bacchus Marsh
1317	Lue Ribbons ..	A. L.	L. Turner, Rupanyup
88	Lyleston Rodney	6 D.	J. B. Little, Shadbroke
404	Lymm Loden ..	A. D.	A. F. Emery, Benalla
934	Lyndale ..	A. D.	W. Rutherford, Nandaly
271	Lyndale II. ..	4 D.	P. Dickson, Nandaly

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STALLION REGISTER 1934–35—*continued.*

Cert. No.	Name.	Age* and Class.	Owner and Address.
569	Lyndhurst Craigie	A. D.	E. J. Sutton, Boigbeat
843	Lyndhurst Master	4 D.	Sieber Bros., Mulcra
1190	Lyndhurst Master Craig	5 D.	J. F. Delahunty, Murtoa
80	Lyndhurst Oarsman	6 D.	R. H. Larcombe, Mt. Moriac
383	Lyndhurst Radiant	A. D.	W. Robinson, Armstrong
1253	Lynson	A. P.	W. T. Cox, Moolort
583	Mac	5 D.	E. O. Manuel, Kerang
498	Mac Direct ..	5 L.	Charity Bros., Serpentine
151	Macduff ..	3 D.	R. and J. Galloway, Majorca
941	Mac Graig ..	3 D.	A. E. Shaw, Bonn
46	McKenna of Shetland Heights	A. P.	W. E. Clinton, Heidelberg
935	McLeish ..	A. D.	F. Handley, Carrajung South
909	Macedon Hero ..	A. D.	McKenzie and Nasebandt Locksley
84	Macs Worthy ..	6 D.	E. Wilson, Llanelly
1201	Magic Railway ..	A. P.	W. A. Beard, Benalla
238	Major Again ..	A. D.	H. Brown, Minyip
1224	Major Clyde ..	A. D.	M. J. Grogan, Donald
735	Major Dalmore ..	4 D.	J. Maynard, Wentworth, N.S.W.
315	Major Dundonald	A. D.	A. McInnes, South Bundalong
239	Major Lee ..	A. D.	E. V. Menzel, Bellbrae
599	Major Mac ..	A. D.	H. Henderson, Barraport
910	Major Willie ..	A. D.	J. H. Reichelt, Ni Ni Well
1213	Malphacar ..	4 T.	J. M. Silcock, Morwell
1278	Malt Lawn ..	A. L.	J. J. Sherry, Morwell
886	Mannie Pronto ..	3 L.	C. H. Wilson, Nyah West
1184	Maori Jack ..	A. D.	A. Potter, Naroghid
882	Marbell of Shetland Heights	4 P.	Mrs. A. D. Maclean, Yan Yean
877	March ..	5 L.	J. Kinnimouth, Mt. Hesse
221	March Along ..	A. D.	H. Carr, Manangatang
1021	Marchfield ..	A. D.	J. Skelly, Echuca
71	Marcus Junior ..	A. L.	Blair Bros., Lara
787	Maris Dale ..	3 D.	B. Hickey, East Trentham
992	Mark Hazel ..	A. P.	J. McMahon, Smoko
961	Mark Twain ..	A. D.	Mrs. E. Smith, Lalbert
1250	Marquis of Meadowbrook	5 D.	F. Waddell, Cann River
1328	Marshall Clyde ..	A. D.	T. J. Ryan, Wemen
902	Marvel of Earlshall	A. P.	R. J. Maclellan, South Yarra
1068	Master Bob ..	4 P.	A. J. Trask, Irrewarra
316	Master Brook ..	A. L.	A. Beattie, Tungamah
83	Master Comedy ..	A. P.	A. D. Thompson, Wyuna
220	Masterdale ..	A. D.	F. F. Kerr, Yeoburn East
975	Masters Reward ..	3 D.	S. J. Brain, Beulah
786	Masterstroke ..	3 D.	L. Halloran, Kyneton
1124	Masterstroke ..	A. D.	H. Parish, Winchelsea
1309	Mastertone ..	6 D.	W. H. Mitchell, Sandford
455	Maydale Christie	5 D.	D. King and Sons, Rutherglen
298	Maydale Knight ..	3 D.	C. R. Schultz, Woorak
742	Mayland Chief ..	3 D.	R. Thomas, Dookie
853	Maylea Alick ..	3 D.	W. J. Cobbledick, Bunbartha
143	Mayville Baronet Dignity	4 D.	Mrs. E. J. Ferry, Mt. Moriac
1286	Meadows Surprise	3 D.	Mrs. Jean Black, Tarwin
825	Melrock Flash Viceroy	6 D.	Todd Bros., Beulah
974	Melrock Flash Victor	3 D.	Todd Bros., Beulah
72	Melrock Prince Dale	A. D.	Ferrier Bros., Birchip
826	Melrock Roy Dale	A. D.	Todd Bros., Beulah
450	Meltons Hero ..	3 D.	E. Kirkpatrick, Corack East
965	Meltons Trust ..	5 T.	J. Moran, Watchem
310	Merry Prince ..	A. D.	B. Rogers, Mepunga East
856	Merry Prince ..	5 D.	G. Pearse, Nyah West
147	Mertons Bold Boy	3 D.	E. Murphy and Sons, Yarraville
187	Micky Mouse of Fenwick	4 P.	J. G. Berlund and Son, Netherby
713	Middlerigg King ..	A. D.	P. G. Weaver, Boort
85	Midnight Voyage	A. L.	A. Hattwell, Echuca
317	Milton Huon ..	A. L.	C. E. Burkinshaw, Wareek
31	Miniature 3rd ..	A. P.	T. Robertson, Macarthur
626	Minton Bells ..	A. L.	Mrs. A. A. Laidlaw, Ararat
158	Moana Brilliant ..	3 D.	G. H. Hart, Edithburg, South Australia
156	Moana Mack ..	3 D.	T. Robson, Crowsnest, N.S.W.
1113	Model Bute ..	A. D.	Hansen Bros., Barnawartha
1308	Mont Harold ..	A. L.	Mrs. M. Canning, Mildura
294	Monte ..	5 D.	H. Nixon, Berriwillock
851	Monty's Treasure	4 D.	Wisely Bros., Tallygaroopna
13	Moondah Craig ..	3 D.	J. Currie, Balmattum
136	Moondarra Pride ..	3 D.	W. J. Watts, Laverton
533	Mooney Way ..	5 L.	A. E. Godden, Elmore
121	Moorabool Pride	6 P.	J. S. Thompson, Little River
461	Moredun Baron ..	A. D.	Mrs. F. Tilley, Port Fairy
256	Moredun Ranger	A. D.	J. C. Storer, Branxholme
881	Morning Prince ..	5 D.	J. Draper, Yan Yean
284	Morning's Pride ..	3 D.	R. W. Merrett, Lillimur
550	Morocco Boy ..	4 D.	G. A. Hoffmann, Vectis
177	Morocco Chief ..	3 D.	J. Mildenhall, Ensay
551	Morocco Dale ..	3 D.	R. H. Rees, Horsham
327	Morocco Lad ..	A. D.	W. J. Hosking and Sons, Oakvale
552	Moroccos Pride ..	4 D.	T. McManus, Pimpinio
640	Morris Pat ..	4 L.	M. E. Kenny, Yarroweyah
20	Morven Dignity ..	3 D.	G. Grey, Branxholme
144	Mossbank Mac ..	4 D.	J. Teague, Mystic Park
130	Mossdale Sensation	5 D.	W. Pizer, Kyneton
77	Mountain Hero ..	5 D.	S. E. Cobain, Sale
55	Moving Picture ..	A. L.	Dyke Bros., Gre Gre
844	Mulcras Pride ..	4 D.	J. H. Beck, Mulcra
544	Muluka King ..	6 L.	J. E. Woods, Geelong West
477	Mundell ..	4 D.	B. Storey, Teddywaddy
794	Munificent ..	3 D.	J. H. Meyer, Kaniva
1084	Nairn Sailor ..	3 D.	H. C. Younger, Greta
656	Naldera Bold Chief	3 D.	F. Funcke, Laen
1248	Napoleon ..	A. D.	S. J. Lewis, Baringhup
692	Naseby Baron ..	3 D.	W. Macgrath, Yanac South
188	Naseby Briton ..	4 D.	A. C. and A. Dufty, Lorquon West
810	Naseby Flashmore	A. D.	E. F. Hancock, Aubrey
1321	Native Prince ..	A. L.	H. E. Ogden, Simmie
1196	Nelson Pronto ..	4 L.	A. Anderson, Preston
630	Netherha Drew ..	4 D.	J. B. Ferguson, Waubra
1138	Netherha Factor	4 D.	S. Tuohey, Colbinabbin
664	Netherhall ..	A. D.	J. Allen, Wycheproof
655	Netherwood Elect	4 D.	S. E. Kent, Sheep Hills
832	New Derby ..	A. L.	L. J. King, Barraport
92	Newfield's Pride ..	A. D.	R. J. Baldwin, Gre Gre South
395	Newfield's Taxpayer	3 D.	J. McMillan, Beveridge
582	Newton Lad ..	5 D.	F. W. Murphy, Murphy's Lake
878	Newton Star ..	4 D.	A. T. Ingram, Orbost
1024	Newton Style ..	A. D.	C. Graham, Neerim
831	Newtons Moddle	A. D.	C. W. McClay, Lake Boga
240	Newtons Pride ..	A. D.	G. Crabbe, Colac
645	Ngaio Dennis ..	4 D.	McCluskey and Jackson, Strathmerton
1064	Nilpena ..	5 T.	F. C. Coy, Lismore
86	Nimitybelle Mac ..	A. D.	H. Chessals, Youanmite
807	Nivek	A. P.	J. Carrucan, Nagambie
792	Noble Star ..	5 D.	Murphy and Sons, Yarraville
671	Noralunga Royalslade	5 D.	A. Kellet, Melbourne
475	Norseman Laddie	4 D.	A. H. Hooper, Goorambat
440	Northern Chief ..	3 D.	A. Olson, Nowie North
972	Northern Hero ..	4 D.	D. G. Ryan, Roseberry
198	Norvals Elect ..	5 D.	R. Carroll, Perth
25	Nutshell ..	A. P.	Miss D. Robertson, Hamilton
394	Oakflat Superb ..	3 D.	J. T. Jones, Tungamah
370	Oaklyn Mac ..	A. D.	R. C. Payne, Narioka
740	Oaklyn Stryvers Mac	4 D.	B. Mills, Yarra Glen
159	Obligations Footprint	4 D.	F. H. Baker, Jung
983	Ochertyre Widgiewa	5 D.	D. Ervin, Central Mologa
917	Onward ..	A. D.	W. Bean, Sale
577	Oora Park Onward	5 D.	D. Chisholm, Swan Hill
35	Oscar Siam ..	A. L.	Bowland Bros., Echuca
1342	Othon	A. P.	P. Peters, Tungamah
598	Overdue ..	5 D.	T. Bagnell, Yarrawalla
100	Overslade ..	A. D.	C. S. Rodda, Warracknabeal
978	Oversure ..	4 D.	W. and H. Holland, Sheep Hills
1200	Oxford	A. D.	S. T. and W. C. Capron, Lethbridge
483	Panacea Lad ..	3 D.	J. Hickey, Timor West

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STALLION REGISTER 1934–35—*continued.*

Cert. No.	Name.	Age* and Class.	Owner and Address.
79	Parkdell ..	4 D.	Mrs. F. Forster, Keysborough
332	Parkfield Chief ..	3 D.	C. Lippiatt, Scotsburn
333	Parkfield Pride ..	3 D.	A. Young, Horsham
334	Parkfield Stamp ..	4 D.	A. J. Trask, Warncoort
1234	Parkview Bon Tide	4 D.	D. Richens, Oxley Flats
372	Parsee	A. T.	H. F. Hoysted, Wangaratta
570	Pat Holton ..	4 D.	F. J. Koch, Henty
528	Patriotic ..	A. D.	C. Carra, Hopetoun
927	Patrus	A. T.	H. Hibbins, Bet Bet
10	Pearlyn ..	A. L.	F. W. Bowden, Won Wron
426	Pedlar	A. D.	McQueen Bros., Waubra
827	Pedro Chief ..	6 L.	A. D. McLennan, Derrinal
995	Pentre Auchenflower	4 D.	B. Vagg, Moama
769	Peter Mac ..	3 L.	F. P. Grogan, Newbridge
15	Peterdale ..	6 D.	J. H. Walder, Watchem
1114	Pettadale ..	A. D.	P. B. Malone, Leichardt
1330	Phillip Childe ..	3 L.	W. Dring, Hindmarsh, S.A.
908	Pine Lea Belmont Print	6 D.	A. A. Stokes, Abbotsford
578	Pine Lea Pride ..	3 D.	V. L. Watson, Nyah
727	Pine Vale Carluke	3 D.	A. J. D. McRae, Gre Gre North
1163	Pine Vale Laddie	3 D.	F. Z. Densley, Dalyston
295	Pineholm Admiral	4 D.	W. and T. Albrecht, Gerang
286	Pineholm Baron ..	5 D.	D. L. Norman, Kaniva
427	Playfair ..	A. D.	F. Roberts, Charlton
726	Pleasant Dale ..	3 D.	Telford Bros., St. Arnaud East
1326	Pocket Edition ..	A. P.	Mrs T. M. Clark, Laceby South
233	Poilu	A. P.	Cross Bros., Minimay
1209	Ponto	4 P.	J. P. O'Keefe, Warrnambool
53	Post Boy ..	6 D.	B. Bailey, Werrimul
907	Predomino ..	A. D.	C. Kelly and Co., Caramut
209	Premier Footprint	A. D.	J. Henderson, Baulkamaugh
1115	Premier Mark ..	A. D.	McDonald Bros., Mortlake
553	Premier Prince ..	5 D.	H. A. Sudholz, Murtoa
1182	Pride Darnley ..	A. D.	H. A. Boschert, Tempy
695	Pride of Argyle ..	3 D.	M. Moloney, Litchfield
798	Pride of Belle Vue	4 D.	J. H. Grylls, Laanecoorie
299	Pride of Honor ..	3 D.	O. J. Pohlner, Woorak
272	Pride O'Connor ..	3 D.	W. Hart, Nandaly
1162	Pride of Scots ..	3 D.	A. T. Hercus, Hayanmi
912	Pride of the Lake	A. T.	R. T. Blake, Green Lake
439	Pride of Woomelang	3 D.	J. A. Kelly, Woomelang
754	Primrose Laddie ..	5 D.	W. J. Tyack, Yalca
847	Prince Adrian ..	5 D.	P. J. Ryan, Dookie
492	Prince Albion ..	3 D.	K. N. Orr, Nowingi
1287	Prince Buchlyvie..	A. D.	G. W. Pennel, Braybrook
729	Prince Craig ..	3 D.	C. A. Eagle, Barham
720	Prince Craigie ..	3 D.	J. H. Sellwood, Undera
210	Prince Dale ..	A. D.	J. Downey and Son, Wallace
234	Prince Dignity ..	6 D.	J. V. Haggblom, Sea Lake
1206	Prince Ecuador ..	A. T.	F. Fender, Broomfield
995	Prince Fabric ..	5 D.	Cockayne and Peterson, Walliston
428	Prince Gay ..	6 D.	P. D. Richards, Cramenton
1122	Prince Harold ..	A. P.	Mrs. M. E. Robertson, Wallacedale
432	Prince Imperial ..	5 D.	A. Collins, Watchupga
456	Prince Lad ..	4 D.	W. Guskett, Morningside
565	Prince Manfred ..	4 T.	Elder Smith and Co., Perth
360	Prince McQuaid ..	4 D.	G. A. Anderson, Lascelles
182	Prince Que ..	A. P.	N. D. Bromley, Mitcham
1116	Prince Wallace ..	A. D.	Jas. Pole, Nullawil
1127	Prince Wigton ..	A. D.	W. Studman, Bairnsdale
431	Prince Wilbur ..	A. L.	D. C. Greig, Melbourne
285	Pryfield Kismet ..	3 D.	J. H. Meyer, Kaniva
1159	Puzzler	4 P.	P. Holman, Warragul
1102	Pyrois	4 T.	E. W. Waddington, Chudleigh, Tasmania
616	Quarrington Lad	A. D.	W. Filby, Kamarooka
211	Quattas Belmont..	A. D.	M. Lindsay, Baranduda
437	Radiola ..	4 D.	W. Kelly, Culgoa
235	Rafa	A. P.	A. M. Pearson, Omeo
948	Ranfurlys Pride ..	6 D.	G. Stone, Daalka
268	Ranor	5 L.	J. V. Haggblom, Sea Lake
467	Raron	A. T.	T. P. O'C. Bunworth, Mitre Lake
45	Rascel	A. Arab	Mrs. A. D. Maclean, Yan Yean
89	Real O.K. ..	A. D.	J. Crilly, Carag Carag
925	Rear Admiral ..	A. L.	S. Papworth, Wedderburn
22	Recompense ..	5 D.	F. H. Baker, Jung
633	Red Douglas ..	3 D.	L. S. Wandel, Underbool
401	Red Lion ..	A. P.	Morton Bros., Penshurst
945	Reflection ..	5 D.	J. Burns, Euroa
1056	Reflector ..	4 D.	Dyke Bros., Gre Gre
378	Regent Everlasting Simon	5 D.	B. McIlraith, Myrniong
131	Reitcam Boluke ..	3 D.	W. Fowler, Kerang
129	Regal Hiawatha ..	A. D.	I. Lees, Campbelltown
967	Reliance ..	3 D.	J. Hunter, Murrabit
1252	Report	A. L.	Mrs. E. Cant, Pine Grove East
1335	Resolution ..	A. D.	J. V. Trethowan, Rockbank
236	Review	A. D.	A. E. Barbary, Woomelang
171	Ribbonwoods Last	A. L.	G. Luckie, Springhurst
845	Richville Favourite	3 D.	R. H. Croft, Mulcra
1324	Right Dale ..	A. L.	J. G. Greaves, Mansfield
405	Rightway ..	A. L.	G. H. Mitchell, Speed
658	Rising Dawn ..	5 D.	E. Ervin, Warrnambool
894	Rising Sun ..	A. D.	J. O'Bree, Piangil
730	Riverdale ..	5 D.	A. C. Walder, Watchem
1219	Rob Roy Black Laddie	5 P.	W. E. Clinton, Heidelberg
1106	Robert Bruce ..	A. D.	H. Gregerson, Benalla
275	Robin Escort ..	3 D.	W. McCarty, Lake Rowan
237	Robinhood ..	A. D.	J. McKee, Clarendon
120	Rocket	A. P.	A. W. Thomson, Hamilton
1303	Roma Dale ..	A. D.	Mrs. K. V. Kendall, Charlton
609	Rosalind's Pride ..	A. D.	G. F. Coles, Traralgon West
454	Rosebrae Reflector	4 D.	D. M. Meagher, Murrayville
288	Rosebrae Masterpiece	3 D.	Kennett Bros., Kaniva
510	Rosedale I. ..	A. D.	G. T. Werner, Jeparit
691	Roselyn Flash ..	3 D.	J. Dalrymple, Warracknabeal
351	Roseneath Craig ..	5 D.	E. McKoy, Wodonga
181	Roseneath Ivan ..	5 D.	E. Ryan, Kyabram
1060	Roseslade ..	3 D.	E. J. Semmler, Hopetoun
973	Rosevier's Master Dale	4 D.	J. McGee, Beulah
895	Roseworthy ..	A. L.	Mrs. R. Stone, Derrinallum
1067	Roslyn	3 P.	E. Allan, Ondit
336	Ross Glen Callum	3 D.	H. C. Younger, Greta
1178	Rossendale ..	6 P.	E. Allan, Ondit
1313	Rostrata ..	A. L.	K. Urquhart, Hexham
1053	Roy Redmond ..	A. L.	E. B. Cochran, Ballarat
949	Royal	A. D.	Byron Bros., Stawell
140	Royal Albion ..	4 D.	A. G. Allnutt, Carwarp
511	Royal Bellman ..	A. D.	A. A. Johns, Horsham
653	Royal Belmont ..	3 D.	J. T. Scott and Sons, Goschen
1336	Royal Belmont ..	A. D.	W. A. Creighton, Molesworth
216	Royal Captain ..	A. D.	G. H. Nunn, Tiega
289	Royal Castle ..	4 D.	C. Hawker, Lillimur
846	Royal Chief ..	4 D.	W. Morey, Yabba North
605	Royal Chief ..	A. D.	A. B. Chapman, Minyip
964	Royal Clyde ..	3 D.	J. I. Walder, Watchem
1284	Royal Comedy ..	A. T.	E. C. Amor, Yarram
766	Royal Dale ..	4 D.	C. Fuller, Linga
59	Royal Dale ..	A. D.	W. J. Scroggie, Noorat
430	Royal Darnley ..	3 D.	F. S. Noonan, Nullawil
555	Royal Dignity ..	3 D.	A. L. Mills, Byrneville
1282	Royal Douglas ..	3 D.	E. J. Perry, Meringur North
421	Royal Douglas ..	6 D.	Voigt Bros., Nhill
1231	Royal Duke ..	A. D.	Lindsay Bros., Bessiebelle
911	Royal Enterprise	6 D.	G. H. Powell, Lillimur
758	Royal Escort ..	4 L.	Coe Bros., Coleraine
784	Royal Fashion ..	5 D.	C. R. Sprake, Murtoa
571	Royal Flight ..	A. L.	W. Coe, Coleraine
361	Royal General ..	4 D.	W. R. McAlpine, Lascelles
1295	Royal George ..	A. P.	S. O. Wood, Nagambie
411	Royal Gift ..	5 D.	W. G. Wilkinson, Yarrawonga
861	Royal Holton ..	3 D.	H. H. Duxson, Wallaloo East
293	Royal Kelm ..	A. D.	Mrs. M. Alexander, Glenloth
301	Royal Kerrston ..	A. D.	F. Hamilton, Coonooer
1143	Royal King ..	4 D.	T. H. Hopkins, Chillingollah East
423	Royal King ..	A. D.	C. E. Peucker, Nandaly
302	Royal Lad ..	6 D.	J. S. P. Allen, Broughton
1014	Royal Mac ..	A. L.	Charity Bros., Serpentine
161	Royal Mac ..	A. D.	W. J. Robinson, Truganina
1346	Royal Mac ..	6 D.	A. Coe, Balliang
690	Royal Oak ..	4 D.	C. W. Merton, Kenmare
780	Royal Panacea ..	3 D.	T. Lees, Rochester
1009	Royal Peter ..	A. D.	H. A. Hanson, Wyuna
632	Royal Prince ..	3 D.	J. B. Alexander, Bulga

* *Note.*—Age in years. A., aged; D., draught; L., light; P., pony; T., thoroughbred.

STALLION REGISTER 1934–35—*continued.*

Cert. No.	Name.	Age* and Class.	Owner and Address.
30	Royal Prince	A. D.	C. L. O'Bree, Piangil
512	Royal Redman	6 D.	E. McCabe, Underbool
874	Royal Rudge	4 L.	C. L. Wright, Flynn's Creek
94	Royal Scotch	A. D.	C. F. Henke, Boolite
469	Royal Standard	4 D.	S. L. Cross, Minimay
451	Royal Star	3 D.	Cook Bros., Thalia
1117	Royal Strabane	6 D.	J. Galloway, Majorca
768	Royal Success	3 D.	Gallagher Bros., Eastville
804	Royal Sunbeam	A. D.	G. Bennett, Chinkapook
303	Royal Top	A. P.	C. McKebery, Coleraine
93	Royal View	A. D.	P. L. Williams, Miram
1233	Royals Echo	A. L.	J. Lorensene, Scotsburn
14	Royalty	A. P.	L. Kealy, Edenhope
725	Rufus	3 D.	J. F. Kelly, Emu
87	Rushbrook Cairnbroggie	6 D.	K. Cameron, Warracknabeal
839	Sacedon	A. T.	Police Department, Melbourne
835	Salvation	A. D.	J. R. Smith, Bannerton
728	Salvo Prince	3 D.	W. Legg, Manangatang
1217	Sam Huon	A. L.	Miss E. O'Brien, East Melb.
447	Sam Mack	5 L.	A. Cheesley, Barnawartha
36	Sampson	A. D.	W. Bingham, Thorpdale
52	Sandy's Fashion	A. D.	A. Nicholson, Morrel Morrel
1000	Sanguine Select	3 D.	N. A. Procter, Caulfield
420	Santa Claus	A. P.	W. C. Greaves, Monomeith
939	Santrel	A. T.	W. Irvine, Invergordon
624	Sapper's Pride	3 D.	E. R. Menzel, Cowangie
866	Sartaress	A. L.	R. Benyon, Wodonga
840	School Bells	A. P.	F. A. Wardle, Brim
1059	School Bells Junior	4 P.	H. E. Mitchell, Hopetoun
1045	Score Boy	3 D.	N. Murdoch, Quambatook
513	Scotch Crown	A. D.	L. Yoxon, Narrung
918	Scotch Drummy	A. D.	W. G. Young, Neerim
828	Scotch Laddie	A. D.	H. De La Haye, Bangholme
541	Scotch Mint	6 D.	J. P. Slatter, Boort
1166	Scotch Mixture	A. D.	J. J. Lawless, Waitchie
412	Scotch Prince	A. D.	G. R. Johnson, Granya
824	Scotch Thistle	A. D.	W. Gray, Yarrawalla South
1038	Scotchie	A. D.	I. Kelly, Korong Vale
665	Scotland Again	A. D.	J. Mulholland, Eurobin
1333	Scotland Forever	A. D.	S. Rogers, Rainbow
287	Scotland's Dignity	A. D.	J. H. Meyer, Kaniva
313	Scotland's Viceroy's First	A. D.	D. L. Parry, Yeungroon
1013	Scotland's Victor	A. D.	S. O'Neil, Minyip
44	Scottish Baron	6 D.	Miners Bros., Sea Lake
1147	Scottish Chief	4 D.	J. Hayden and Sons, Pullut
905	Scottish Chief	A. D.	A. Cheesley, Barnawartha
1045	Scottish Crown	5 D.	J. McDonald and Son, Myall
738	Scottish Dale	4 D.	M. V. Lockett, Linga
431	Scottish Hero	3 D.	H. Hillgrove, Watchupga
342	Scottish King	A. D.	E. E. Glenn, Caiulu
1223	Scottish Laird	A. D.	M. J. Rogers, Natimuk
1012	Scottish Premier	A. D.	H. M. Pannowitz, Diapur
678	Scottish Star	3 D.	Mrs. I. Broome, Noorinbee
1226	Scottish Tasman	3 D.	Mrs. A. E. Hill and Sons, Tooan
920	Scotty	A. D.	A. T. Hamblin, Toolleen
514	Several	A. T.	J. E. Light, Quantong
189	Shadow King	5 D.	V. O. Frost, Netherby
644	Shadow King	3 P.	T. B. Halden, Strathmerton
597	Shamrock Farm Pride	3 D.	A. Holmberg, Hunter
933	Shepherd Again	A. D.	A. E. Bennett, Cowangie
1299	Shepherd Lad	A. D.	P. McPartland, Boosey
473	Sherwood Endeavour	6 D.	R. Murphy, Baranduda
5	Shirva Fort	5 D.	R. Swan, Cardigan
1097	Shot Silk	4 D.	R. Swan, Cardigan
368	Signon	5 L.	L. Howland, Dimboloa
1048	Silver Beam	3 D.	W. J. Dixon, Donald
1011	Silver King	A. P.	A. E. Heard, Numurkah
906	Silver Prince	6 D.	W. McDonald, Wharparilla North
850	Silver Prince	4 D.	A. McCrum, Bunbartha
659	Silver Trout	3 L.	Mrs. M. E. Robertson, Wallacedale
1218	Silverlyn	4 P.	F. W. Bowden, Won Wron
556	Simba	5 L.	Miss M. Johns, Lewen
1228	Simon Dale	3 D.	J. H. Bant, Carisbrook
231	Simon's Son	A. D.	T. A. Nicholson, Campbell town
43	Sir Armadale	A. D.	O. L. Lange, Mannerim
956	Sir Bute	A. D.	A. W. McInnes, Boisdale
445	Sir Dillon	A. L.	Ryan and Dickenson, Broughton
734	Sir Douglas	3 D.	Mrs. L. Ray, Meringur
757	Sir Dougas	6 D.	J. L. Arthur, Coleraine
1077	Sir Filford	5 L.	W. Shandley, Lance Creek
95	Sir George	A. P.	W. A. Pollock, Dimboola
818	Sir George Robin	A. D.	H. S. Maddern, Serviceton
526	Sir Percy Northcote	6 D.	Kennett Bros., Kaniva
617	Sir Prince Argos	A. D.	M. A. V. McLean, Patchewollock
834	Sir Richard III.	A. P.	W. Henderson, Grasmere
213	Sir Robert	6 D.	J. K. Russell, Hesse
800	Sir Rupert	A. D.	N. West, Corop
668	Sir Stanley	4 P.	Morrison Bros., Creswick
212	Slip Knot	A. D.	L. Martin, Ultima
1211	Smoke Stack	3 L.	Mrs. R. Greene, Albert Park
1242	Snip of Harlaxton	5 P.	E. E. Small, San Remo
1010	Soldier Boy of Fenwick	A. P.	Miss S. Robinson, East Malvern
29	Southerton Le	6 L.	J. Hegarty, Turriff
3	Speareari	A. T.	R. A. Dawson, Dunnstown
928	Spenague's Baron	A. D.	R. V. Colliver, Cora Lynn
1216	Sportsman's Hero	A. D.	B. P. Brady, Gooran
442	Spring View Favour	4 D.	R. Strawhorn, Malmsbury
938	Springbank Lawrence	A. D.	W. H. Crawford, Hamilton
712	St. Carwyne	A. T.	E. Bromley, Tungamah
90	St. Chad	A. T.	B. P. Brady, Milawa
997	St. Ninian's Craig	4 D.	R. Meier, Moamo
233	St. Ninian's Craigends	A. D.	E. R. Morton, Drouin
259	St. Ninians Flash Lad	3 D.	G. Luckie, Springhurst
610	St. Simon	A. D.	F. and G. R. Flynn, Glenloth
953	Stamperland	A. D.	Fullam Bros., Torrumbarry
1345	Stanley Cicero	A. D.	M. McNamara, Undera
1193	Stanley Obligation	3 D.	A. Wylie, Colac
1137	Stanvale Pride	3 D.	Baker Bros., Stanhope
718	Standard II.	3 D.	J. Forsyth, Murrayville
214	Starville	A. T.	R. J. Cook, Coromby
1055	Statesman	3 D.	McPherson Bros., Mitchell's Hill
335	Stirling Lad	5 D.	H. R. Schulz, Jindera
1266	Straightaway	A. L.	M. F. Fletcher, Mt. Egerton
1347	Strathkellar Benefactor	4 D.	McFarlane Bros., Anakie East
604	Strathkellar Radiance	A. D.	L. Price, Condah Swamp
872	Strathlea Baron	3 D.	J. Garner, Bostock's Creek
386	Stronsay Baron	3 D.	E. F. Higgins, Merrinee
19	Stryver	A. D.	Ellwood Bros., Wallace
576	Stylish Craig	3 D.	P. J. Flynn, Shepparton
731	Stylish Robin	4 D.	Mrs. R. Cook, Wilkur South
1327	Stylish Tennessee	A. L.	N. D. Halbert, Mitiamo
614	Stylish Top	6 L.	L. J. Bastow, Inglewood
141	Sudbourn's Victory	A. D.	V. A. Hicks, South Melbourne
1099	Summersby Dandy	4 D.	H. N. Russell, Finley, N.S.W.
482	Sunbeam Simon's Heir	3 D.	M. Neyland, Bung Bong
73	Sungold	6 P.	H. Crawford, Victoria Valley
429	Sunnydale	6 D.	J. Egan, Leichardt
1070	Sunnydale	5 D.	J. Minotti and Son, Strathlea
942	Sunnyland Flash	4 D.	G. S. Gibb, Moyhu
276	Sunnyside Norseman	5 D.	A. E. Buerckner, Tungamah
1322	Surrydale	A. D.	J. A. Hinton, Vite Vite
488	Swanie Mauritius	3 L.	D. F. Wilkie, Swan Hill
1054	Sweet Bells	5 P.	H. E. Elliott, Bostock's Creek
1297	Talisman	A. T.	C. A. Venables, Sale
1173	Tamar Banker	3 D.	N. R. Pitts, Merrigum
765	Tenacious	4 P.	T. Williams, Bendigo
527	The Cavalier	A. D.	J. Leitch, Wodonga
119	The Count	A. P.	A. M. Thomson, Hamilton
601	The Dux	A. D.	T. Draper, Yackandandah
127	The Gums Masterdale	A. D.	C. Carter, Karawinna
1131	The Night Patrol	A. L.	W. C. Holmes, Rainbow
353	The Sheik	5 L.	E. A. Kramer, Boyeo
1318	Thornfield Craig	A. D.	E. J. Leeder, Cope Cope
1283	Thornley Master Clyde	A. D.	G. A. McNabb, Irrewillipe East

* *Note.*—Age in years. A., aged; D., draught; L., light; P., pony; T., thoroughbred.

STALLION REGISTER 1934–35—*continued.*

Cert. No.	Name.	Age* and Class.	Owner and Address.
954	Thornlie Footprint	A. D.	H. S. Maddern, Serviceton
714	Thoughtful ..	A. P.	J. A. Rippon, Cororooke
1089	Tidlyn	4 L.	F. W. Bowden, Won Wron
393	Timaru	3 D.	H. R. Ayson, Elmore
715	Timely Direct ..	A. L.	J. M. Cromie, Bangholme
1142	Timely Tim ..	3 L.	L. J. Martin, Ultima
217	Tiny Tim ..	A. P.	S. R. Winterbottom, Mincha
621	Titanic	A. P.	H. A. Young, Mooroopna
118	Toby	A. P.	A. W. Thompson, Hamilton
1258	Tom Thumb ..	A. P.	T. Daffy, Swan Marsh
28	Tommy Dodd ..	A. P.	Boyd Bros., Koroit
42	Tooma	A. D.	F. Dobinson, Cudgewa
517	Top Score ..	A. D.	W. Fenton, Kerang
418	Toy Boy ..	A. P.	M. Gadd, The Glen, Wodonga
566	Trelawney's Pride	A. D.	P. D. Cattanach, Ouyen
1334	Trevalla's Monarch	3 D.	R. T. Mitchell, Sandford
215	Trevallyn Baron Dale	A. D.	H. Bulloch, Hamilton
74	Tripos	A. T.	G. Bowman, Duninee
625	Trooper ..	5 D.	T. Draffin, junr., Tutye
169	True Blue ..	A. D.	W. Pitcher, Elaine
662	True Scotch ..	A. D.	F. Sutton, Gredgwin
733	Tunart Radiant Morn	3 D.	Tunart Horse Breeder's Club, Merrigum
627	Twang	4 P.	T. C. Maidment, Moyston
438	Tyrellees Pride ..	3 D.	Hooper Bros., Culgoa
1272	Udale Jack ..	A. D.	A. J. Pyers, Donald
717	Uley Chieftain ..	3 D.	D. S. Gibb, Moyhu
791	Universal ..	3 D.	J. Burns, Euroa
842	Valetta Archie's Honour	A. D.	Mrs. E. Heenan, Harrow
1156	Valetta Baron's Mac	A. D.	A. Shearwood, Horsham
703	Valetta Chief ..	6 D.	A. H. Argall, Gerang Gerung
1001	Valetta High Honour	6 D.	T. R. Gilmour, Cope Cope
947	Valetta Lock Hero	3 D.	Dunstan Bros., South Jeffcott
23	Valetta Noble Don	3 D.	C. S. O. Shackley, Owen, S.A.
24	Valetta Royal Hero	3 D.	Lewis and Medlow, Walkerville, S.A.
135	Vallantie ..	4 T.	Allan Bros., Thalia
518	Vanguisher ..	A. D.	E. Warburton, Nyah West
785	Velma Scots Wa Hae	3 D.	H. C. Starick, Murtoa
133	Veradale Robin ..	5 D.	R. L. Dahlenburg, Kiata
199	Veradale Roderick	3 D.	R. Carroll, Perth
1057	Viceroy Baron ..	3 D.	R. B. Moyle, Yaapeet
11	Viceroy Favourite	A. D.	W. Harris, Spiers Hill
689	Viceroy Imprint ..	3 D.	T. A. Clugston, Brentwood
1058	Viceroy Premier ..	3 D.	E. M. Thomas, Hopetoun
373	Victor McLaglen	3 D.	H. W. F. Lee, North Winton
669	Victoria Biologist	5 D.	Wood Bros., Epping
833	Victoria Botanist	6 D.	W. Henderson, Grasmere
530	Victoria Flash Jester	3 D.	T. Daffy, Swan Marsh
528	Victoria Flash Pat	3 D.	D. E. Holden, Katunga
503	Victoria Major Wigton	6 D.	L. Hill, Lake Bolac
529	Victoria Masterpiece	3 D.	State Research Farm, Werribee
568	Victoria Northern Light	6 D.	T. M. Miller, Pearsondale
1037	Victoria Prince Norval	6 D.	W. Munro, Gapsted
885	Victoria Rosarian	4 D.	E. V. Adkins, Korumburra
650	Victoria Solid Stamp	A. L.	W. J. Eades, Colac
389	Victoria Vague ..	5 D.	Mrs. H. S. McEwen, Boonoonar
1076	Victory ..	3 P.	J. W. Bromley, Powlett River
739	View Dale	3 D.	W. H. Wyatt, Cowangie
277	Vio Malt ..	4 T.	J. H. Ison, St. James
808	Vue Dale ..	A. D.	W. W. Quick, Mollongghip
776	Vue Dales Laddie	5 D.	H. Jenz, Bacchus Marsh
27	Vulcan	A. P.	Boyd Bros., Koroit
174	V. Voyage ..	5 L.	D. Larkin, Rigg's Creek
960	Waikoura ..	A. D.	H. M. Parkin, Lower Norton
1123	Waituna ..	A. D.	S. A. Greaves, Narre Warren
602	Walden's Drumcross	6 D.	C. Block, Goroke
532	Wallace Dale ..	A. D.	F. Schache, Murtoa
413	Walvarc ..	6 L.	W. Hudson, Marionvale
1039	Wambidgee ..	3 D.	Mrs. M. L. Marwood, Tandarra
688	Wandilla Baron ..	3 D.	Allen Bros., Kenmare
225	Wapilly ..	A. T.	W. D. McKebery, Coleraine
1105	War Lord ..	A. D.	T. Attenborough, Poowong North
1120	Warrender Craig ..	6 D.	K. Treloar, Galaquil East
988	Warrior Again ..	3 D.	W. F. Robertson, Waubra
1079	Wattle Avenue Style	3 D.	R. B. Walton, Burrumbeet
1298	Wee Charles ..	5 P.	J. Dawkins, Colac
99	Wee Charles ..	A. P.	W. Forster Woods, Melbourne
1121	Wee Charlie ..	A. P.	P. H. Lock, Werribee
1111	Welsh Flyer ..	A. L.	P. J. Reid, Milawa
1041	Wemen ..	5 L.	B. E. Macfarlane, Wemen
96	Werndew Golden Footprint	A. D.	F. Funcke, Laen
654	Werrap Harcourt	4 D.	Mrs. A. Holland, Patchewollock
486	Western Front ..	4 D.	J. K. Corcoran, Amphitheatre
192	Weston Cavalier ..	3 D.	R. McFarland, Hay
2	Weston Hero ..	A. D.	Berryman and Co., Womboota, N.S.W.
274	Weston Monarch	3 D.	R. O. Borgelt, Woorak
41	White Olaf of Manai	A. P.	Mrs. A. D. Maclean, Yan Yean
422	White Prophet ..	A. T.	J. Hughes, Joyce's Creek
1041	White Socks ..	5 D.	C. A. Taylor, Annuello
1281	White Star ..	A. L.	G. Cruse, Bamawm
1043	Widge's Pride ..	3 D.	W. Teasdale, Appin South
737	Widgie Lad ..	3 D.	E. Venning, Pinnaroo
354	Widgie's Hero ..	5 D.	M. J. Bland, Frances, S.A.
593	Widgiewa ..	3 D.	A. McDonald, Willow Grove
1141	Widgiewa Agitation	3 D.	Mrs. M. Davis, Ultima
12	Widgiewa Alick ..	A. D.	G. Jackson, junr., Yalca North
509	Widgiewa Belmont	A. D.	J. A. Roberts, Willenabrina North
1276	Widgiewa Bill ..	6 D.	W. P. Broome, Tocumwal, N.S.W.
1274	Widgiewa Black Diamond	A. D.	A. H. Hooper, Dookie
805	Widgiewa Cavalier	A. D.	H. G. Bennett, Yanac
1093	Widgiewa Chief ..	3 D.	J. C. Smith, Kalkee
789	Widgiewa Commander	3 D.	Jeffery Bros., Tallygaroopna West
930	Widgiewa Edward	A. D.	W. G. Down, Koonda
1230	Widgiewa Fashion	A. D.	J. Price, Mologa
226	Widgiewa Glancer	A. D.	A. Creighton, Tungamah
1236	Widgiewa Intent	A. D.	F. A. McRae, Wallup P.O.
415	Widgiewa Ivo ..	A. D.	E. McKoy, Wodonga
1047	Widgiewa Lad ..	3 D.	Bennett Bros., Ngallo
803	Widgiewa Lebbeus	A. D.	Tweddle and Thornton, Waaia
391	Widgiewa Mac-Robertson	7 D.	Munro Bros., Galah
1112	Widgiewa Mark ..	A. D.	C. H. James, Quambatook
1042	Widgiewa Model ..	3 D.	F. Connelly, Kerang
661	Widgiewa Ninian	A. D.	W. Robertson, Lake Boga
414	Widgiewa Norseman	A. D.	Wilkinson and Young, Yarrawonga
903	Widgiewa Sapper	A. D.	L. Little, Stradbroke
227	Widgiewa Stephen	A. D.	Hewitt and Sons, Werrigal East
461	Widgiewarra ..	3 D.	F. W. Mitchell, Laibert
998	William Grattan ..	3 L.	G. Miller, Echuca
611	William Wallace ..	A. D.	F. E. Southwell, Linga
228	Willie Belmont ..	A. D.	J. S. P. Allen, Broughton
836	Willie Craig ..	A. D.	A. T. Leishman, Kingston
946	Willie Holton ..	4 D.	J. Davison, Donald
686	Willie McBride ..	A. D.	A. Holmberg, Hunter South
470	Willies Pride ..	4 D.	J. Lowe, Gymbowen
1168	Willowbank Hero	4 D.	W. J. Clarke, Dunkeld
392	Willow Park McGregor	3 D.	A. R. Park, Hobart, Tasmania
985	Willys Knight ..	4 D.	E. Smith, Warragul
107	Wilts	6 T.	A. Kennedy, Arcadia
1186	Wimmera Success	A. D.	McFarlane Bros., Berriwillock
116	Windermere Intermediate	3 D.	H. E. Ward, West Coburg
165	Windermere Obligation	A. D.	H. E. Ward, West Coburg
687	Winmore Cedarville	3 D.	A. Moyle, Kenmare
904	Winsome Banker ..	A. D.	E. F. Arthur, Warracknabeal
887	Winsome Chief ..	A. D.	H. Redford, Nurcong
1109	Winsome Favourite	A. D.	F. G. Branson, Colbinabbin

* *Note.*—Age in years. A., aged; D., draught; L., light; P., pony; T., thoroughbred.

STALLION REGISTER 1934–35—*continued.*

Cert. No.	Name.	Age* and Class.	Owner and Address.
558	Winsome Jack ..	3 D.	A. Peterson, Blackheath
944	Wizard Brooks ..	4 P.	N. R. Ralston, Moglonemby
1210	Wonga Pronto ..	3 L.	S. L. Ritchie, Preston
142	Woodhack ..	5 T.	P. A. Sinnot, Melbourne
857	Woodhall Gaiety	3 D.	W. G. Wilkinson, Yarrawonga
966	Woodhurst Warrior	4 D.	G. R. Hildebrand, Leitchville
329	Woodlawn Stamp	3 D.	Petrass Bros., Kewell
1086	Woodlea John Dewar	3 D.	N. W. Quick, Mollongghip
849	Woodlea Mac ..	3 D.	C. R. McKenzie, Cressy
667	Worawingeth Slade	3 D.	Leishman and Sons, Kingston
603	Worthy Footprint	A. D.	W. G. Ballantine, Cosgrove
958	Worthy Prince ..	6 D.	A. Kennedy, Arcadia
819	Wunnamurra Flash Baron	A. D.	A. C. Jorgenson, Katyil
989	Wunnamurra Flash-stroke	4 D.	N. W. Quick, Mollongghip
40	Wunnamurra Imprint	A. D.	E. V. McMartin, Yanac
83	Wunnamurra New Guard	3 D.	Tubbo Pastoral Co., Melbourne
1154	Xantho ..	A. T.	Morton Bros., Penshurst
684	Yanakie ..	4 L.	A. C. Hellisen, Yanakie
352	Yendys ..	6 L.	J. Browning, Yarrawonga
122	Young Banjo ..	6 P.	W. J. Greaves, Lyndhurst
494	Young Baron Royal	5 D.	J. G. Mengler, Walpeup
229	Young Caesar ..	A. P.	R. Brindley, Guy's Forest
1158	Young Clyde ..	A. D.	F. Walsh, Lancefield
508	Young Degree ..	A. D.	L. Greenbank, Snake Valley
631	Young Eclypse ..	3 D.	J. McMillan, Swan Hill
362	Young Experiment	5 D.	J. T. Jones, Wilby
613	Young Flashlea ..	6 D.	A. Rissman, Tarrington
984	Young Foreman ..	5 D.	G. S. Fraser, Ellinbank
460	Young Harperland	A. D.	W. E. Hards, Meringur
26	Young Ki Ki ..	A. P.	T. Robertson, Macarthur
1302	Young Lad ..	A. P.	W. H. Gillett, Ecklin South
311	Young Linkwood	A. D.	J. W. Cottrell, Quambatook
230	Young Lymney Champion	A. D.	W. H. Penaluna, Boolarra
1035	Young McLeish ..	A. D.	W. E. Hardbottle, Mirboo
1245	Young Middlemarch	A. D.	R. McKenzie, Pullut
557	Young Morocco ..	4 D.	J. Walsh, McKenzie's Creek
921	Young Sapper ..	A. D.	H. White, Cowangie
693	Young Scratchley	4 D.	H. Hopper, Terrick South
1013	Young Starling ..	A. L.	W. Regan, Moonee Ponds
1034	Zone Time ..	A. D.	A. Hamilton, Corryong
1194	Zoroaster ..	3 T.	R. G. Ritchie, Mansfield

* *Note.*—Age in years. A., aged; D., draught; L., light; P., pony; T., thoroughbred.

REGISTRATION REFUSED

List of Stallions in respect of which Certificates of Registration have been refused but which, the owners having paid the prescribed fee, may be retained for breeding purposes with owner's own mares.

Name.	Age* and Class.	Owner and Address.
Unnamed	4 D.	Mrs. R. Cannard, Litchfield
Unnamed	3 D.	G. Johnston, Romsey
Unnamed	4 L.	J. A. McEachern, Nelson
Unnamed	4 D.	G. P. McKay, Glenorchy
Unnamed	A. D.	Mrs. J. Moloney, Wallace
Unnamed	4 D.	E. W. Merrett, Lillimur
Unnamed	6 L.	R. P. Nicol, Yarram
Allert	3 L.	S. B. Coghill, Tallangatta
Alto Bells	6 P.	J. Barty, Redesdale
Bally Dick	A. P.	M. G. Lennox, Ballan
Bangaroo Style ..	A. D.	G. Hounsell, Jeparit
Banker's Clyde ..	4 D.	H. E. Robertson, Tempy
Banker's Pride ..	4 D.	A. J. Williams, Beulah
Barfold	A. D.	N. J. Hanrahan, Barfold
Barney	4 D.	M. Dwyer, Trentham
Baron McArthur ..	4 D.	J. H. Dinning, Hanson South
Baron O.G.	6 D.	L. J. Vine, Ouyen
Baron Premier ..	3 D.	F. A. Cameron, Warracknabeal
Baron Willie	A. D.	J. A. Janetzki, Minyip
Baron's Pride	3 D.	G. N. Clark, Kalpienung
Bay Prince	6 D.	N. A. Campbell, Kerang
Bell Boy	5 D.	H. F. Goldsmith, Corack
Belmont Convincer ..	3 D.	A. G. Bolden, Birchip
Ben	A. D.	E. J. Dickinson, Tutye
Ben	5 D.	F. Hardy, Casterton
Benbolt	3 D.	C. C. Sanders, St. Helen's Plains
Big Ben	4 D.	E. R. Metherall, Sea Lake
Bill	5 D.	C. Evans, Willaura
Bill	5 D.	J. Nalder, Lalbert
Bill Craige	4 D.	Ford Bros., South Muckleford
Billy Boy	4 P.	L. Matthews, Benambra
Black Arbuckle ..	6 D.	G. A. Liersch, Homecroft
Black Star	A. D.	Tucker Bros., Mitchell's Hill
Blue North	5 D.	C. Brownlaw, Carwarp
Blue Seal	3 L.	A. Treloar, Woorak West
Bluey	3 D.	O. Frankel, Merrinee
Bold Alexander ..	A. D.	W. T. Morrish, Yea
Bold Duke	A. D.	Mrs. E. M. Jenkins, Meringur
Bold Duke of Connaught	A. D.	J. F. Zanker, Walpeup
Bold Lad	4 D.	J. H. Chivell, Corowa
Bold Mack	5 D.	W. H. Baker, Bunguluke
Bold Surprise	5 D.	L. S. Jackson, Laen
Bold Ward	5 D.	E. Warne, Warne
Boldmon	3 D.	A. Cumming, Donald
Bonegilla Baron Buchlyvie	3 D.	C. F. Pollard, Wodonga
Bonnie Stewart ..	6 A.	H. J. Gidney, Brighton
Bonny Bruce	5 D.	R. J. Robertson, Dundonnell
Boxvale Colonel Flashwood	5 D.	McEwen Bros., Boyeo
Brae	4 D.	F. Wilson, Mepunga
British Banker ..	6 D.	H. G. Westphal, Gelantipy
Brown Lad	3 D.	Messrs. Clezy and Laidlaw, Hynam
Bruce	A. D.	J. Curran, Yarragon
Bruce Douglas ..	A. D.	M. Bennett, Ballapur
Bruiser	6 D.	Smith Bros., Nullawil
Buchlyvie Again ..	A. D.	J. H. and W. Oldfield, Nhill
Buonaparte	6 D.	W. J. Soutter, Benambra
Campaspe Prince ..	3 D.	G. P. Starke, Kyneton
Captain	5 D.	A. B Carter, Tutye
Captain	3 L.	J. Strobridge, Brookville
Captain Lad	4 D.	J. L. Meier, Nhill
Captain Royal ..	A. D.	M. Egan, Culgoa
Carinya Bill	3 D.	S. Chapman, Katunga
Carinya Boy	3 D.	H. C. Waser, Strathmerton
Carngham Flash Baron ..	6 D.	T. A. Heard, Noradjuha
Cedric Prince	5 D.	C. Mengler, Linga
Champion	A. D.	Mrs. B. Willmott, Trentham
Charlie	A. D.	J. T. Deering, South Wangaratta
Chester	5 D.	W. H. Robinson, Kerang P.B.
Chief Banker	3 D.	C. Joiner, Orbost
Chub McGregor ..	A. D.	E. Adamson, Barham
Clan MacKenzie ..	5 D.	J. Purdie, Wunghnu
Clem Junior	A. P.	N. Cole, Camperdown
Clifton Sensation ..	3 D.	J. Flockart, Birchip

* *Note.*—Age in years. A., aged; D., draught; L., light; P., pony; T., thoroughbred.

STALLION REGISTER 1934–35—*continued.*

Name.	Age* and Class.	Owner and Address.
Clyde	5 D.	G. Officer, Woolsthorpe
Clyde	6 D.	J. Frankel, Patchewollock
Clyde	3 D.	L. G. Edis, Youanmite
Copper Plate	3 L.	L. W. Anderson, Berwick
Count Douglas	A. D.	C. A. Lawrence, Apsley
Crackall	4 L.	P. J. Reid, Milawa
Craig Lion	6 D.	C. Ayres, Rosedale
Craigie	5 D.	E. A. Ronalds, Mountain View
Craigie Don	A. D.	C. Butcher, Chillingollah
Craigie Velore	5 D.	W. G. Dennis, Velore
Craigston	3 D.	G. Crockford, Brim
Dalmore Dick	3 D.	C. T. Dow, Banyean
Dandy	A. D.	A. McCafferty, Ouyen
Dandy Bell	A. L.	H. Spice, Bacchus Marsh
Darradale	3 D.	Mrs. E. R. McMonies, Annuello
Dodger	A. D.	N. A. McGilp, Minyip
Don	6 D.	A. L. McGregor, Walpeup
Don	5 D.	J. Ryan, Mysia
Donald	A. D.	Smart Bros., Gooramadda
Doodle's Pride	3 P.	A. Deas, junr., Rutherglen
Double Chance	5 D.	McDonald Bros., Mortlake
Douglas Again	3 D.	R. Stuart, Barwite
Dowhill Black Prince	A. D.	R. V. Quick, Angip
Drummy	4 D.	E. A. Baker, Gillieston
Duke	3 D.	E. Giles, Glenorchy
Dunsmore	A. D.	J. J. Lawless, Burramine South
Earl Watson	4 D.	R. Douglas, Buckrabanyule
Eastern Gem	4 L.	A. Sage, Somerville
Economist	5 D.	Parker Bros., Ninyenook
Eureka Sensation	5 D.	C. T. Lucas, Colbinabbin
Farleton Fabric	4 D.	J. T. Watkins, Euroa
Fashion Bold	5 D.	W. White, Towaninnie
Fashion McGregor	6 D.	J. H. Fletcher, Teal Point
Fish Creek Baron	A. D.	J. J. Mackin, Fish Creek
Flash Direct	A. L.	C. T. Evans, Rathscar
Flash King	5 D.	D. Bryce, Narraport
Flash Robin	3 D.	O. W. Caulke, Tarranyurk
Gay Lad	3 D.	P. W. Pearce, Woomelang
George	6 L.	F. Watkins, Melbourne
Giffard Lad	A. D.	H. F. Shields, Giffard West
Glen Craig	4 D.	S. Barber and Son, Birchip
Glen McBride	4 D.	H. Jager, Swan Hill
Golden Jewell	5 P.	H. J. Hay, Dunkeld
Goomalibee Prince	5 D.	G. Goodman, Benalla
Hamilton's Pride	A. D.	T. Mitchell, Watchupga
Hector Lee	3 D.	J. S. Carlyon, Wahring
Hill King	A. L.	A. E. Cummings, Berrimal
Hinkler	6 D.	H. Fisher, Yaapeet
Holly Green	5 D.	Mrs. R. Fregon, Bairnsdale
Holton Imprint	3 D.	McPherson Bros., Mitchell's Hill
Honest Glen	A. L.	W. Eichler, Chillingollah
Honest Jack	3 D.	A. E. Balley, Woomelang
Huonson II.	A. L.	W. Marke, Girgarre East
Ideal Ambassador	A. D.	C. J. Liesfield, Rainbow
Ideal Scotsman	6 D.	N. E. Miller, Yanac South
Jack	6 D.	H. S. Hayes, Toolleen
Jock Campbell	4 D.	J. Rinaldi, Woomelang
Joe	6 D.	E. P. Landt, Beulah East
John Bull	3 D.	A. Barber, Lorquon
John Henry	A. L.	Raymond and Rankin, Geelong
Kellum McBride	5 D.	C. S. Sims, Mitiamo
Kelvin Again	A. D.	C. H. Wandel, Underbool
Kenlock's Pride	4 D.	Mrs. S. E. Moore, Brim
Kennedy's Pride	A. D.	H. F. Mathison, Maffra
King Cedric	3 D.	J. M. Wood, Markwood
King Lord	4 D.	Malook Singh, Manangatang
King of Hearts	3 D.	A. E. Osborne, Mortlake
King's Pride	3 D.	V. S. Carter, Merrinee
Korongali Bold Eric	5 D.	W. R. Hines, Donald
Larry	5 D.	A. T. Erwin, Callawadda
Lexel Lea Brampton's Heir	3 D.	W. A. Wright, St. Arnaud
Linkwood Prince	5 D.	V. S. Holt, Kurraca
Lookie	4 D.	R. Munro, Timberoo South
Lord Allenby	4 D.	P. V. Tomamickel, Ultima
Lord Craig	3 D.	Jos. Hayward, Wood Wood
Lord Dale	4 D.	J. B. Preece, Newtown
Lord Victor	3 D.	J. Montgomery, Milawa
Lord Widgie	3 D.	W. H. Carlisle, Granya
Lowan's Pride	5 D.	D. E. Jones, Tutye
Lulu Boy	A L.	E. B. Cochran, Ballarat
Mack Mettis	6 L.	A. G. Poole, Jil Jil
Major	6 D.	F. Hobbs, Baring
Major Laddie	6 D.	G. R. Stratton, Echuca
Malvolio	4 D.	W. J. Cobbledick, Bunbartha
Marcus	3 D.	J. Crowe, Codrington
Mark	6 D.	C. Godward, Mincha
Marshstyle	4 D.	W. Dalrymple, Dingee
Master	5 D.	J. A. Conzner, Angip
Melrock Dalmore	4 D.	J. Wallsgott and Sons, Beulah
Model	A. D.	W. Steen, Emu Creek
Model Prince	4 D.	W. H. Kortum, Elmore
Molka Pride	4 D.	R. W. Storey, Murchison East
Morocco Boy	6 D.	T. Blair, Watchem
Myall Punch	6 D.	R. B. Metherall, Sea Lake
Netha Ha Andy	4 D.	J. H. McMahon, Merrinee
November	A. L.	Ramage and Mason, Violet Town
Nugget	A. D.	P. Neyland, Patchewollock
Ondit	A. D.	Exors. N. Thornley, Hawkesdale
Overtone	4 D.	J. P. Maher, Minyip
Pedro Pronto	A. L.	G. Stow, Prahran
Pettadale's Pride	A. D.	D. Green, junr., Nullawil
Pine View Glenroy	4 D.	W. H. Penaluna, Boolarra
Premier's Pride	A. D.	P. Ryan, Chinkapook
President Junior	5 D.	A. L. Poxon, Lake Marmal
Pride of Briton	3 D.	A. MacKenzie, Pigick
Pride of the North	4 D.	W. H. Tonkin, Wedderburn Junction
Pride of the Plains	A. D.	A. Robertson, Hesse P.O.
Prince	5 D.	Boyd Bros., Koroit
Prince	3 D.	A. H. Fawson, Bairnsdale
Prince	5 D.	M. Findlay, Mincha
Prince Baron	3 D.	W. Watts, Kamarooka
Prince Douglas	A. D.	A. Fithall, Mooler
Prince Garvin	3 D.	G. Hunter, Wurdi Bolac
Prince Imperial	A. D.	A. McNee, Nandaly
Prince Lyndhurst	5 D.	C. D. Lienert, Hopetoun
Prince Raven	5 D.	M. McGarry, Nyarrin
Prince Victor	5 D.	G. R. Greskie, Peechelba
Punch	A. D.	Mrs. J. McLean, Garfield
Punch	A. D.	W. Earl, Woodside
Quality Swell	A. D.	C. R. Taylor, Allansford
Radiant Crown	5 D.	A. F. Kruger, Rainbow
Rafiles	4 D.	S. B. Letcher, Baring North
Recruit	5 D.	C. J. Stevenson, Pirita
Regent	A. D.	C. Nelson, Benalla
Repeater II.	5 D.	A. Engler, Carina
Rexworth Lindale	5 D.	C. E. Collins, Turriff West
Robin	5 D.	A. A. Drendel, Ouyen
Robin	3 D.	H. L. Treasure, Stratford
Robin	3 D.	A. Scroggie, Terang
Rob Roy	6 P.	Miss E. A. Small, Hawthorn
Rodger Pride	3 D.	J. J. Parker, Quambatook
Roudy	A. D.	R. White, Elmore
Rover	5 D.	B. Evans, Strathcona
Royal Baron	A. D.	G. E. Tyler, Sale
Royal Coast Guard	4 D.	A. J. Millar, Hopevale
Royal Drew	3 D.	H. F. Hunter, Wychitella
Royal Flush	6 D.	A. A. Moller, Birchip
Royal Hero	5 D.	H. F. Altmann, Dalmallee
Royal Hero	5 D.	Mrs. P. E. Etherton, Broughton
Royal King	A. D.	D. Gorman, Crossley
Royal Mail	5 D.	N. McFarlane, Hamilton
Royal Netherby	5 D.	H. Ryan, Molyullah
Royal Newton	A. D.	J. Warwick, Strathallan
Royal Nugget	5 D.	T. H. McClelland, Bealiba
Royal Radiant	4 D.	R. Barber, Nhill
Royal Top	3 D.	G. M. Vallence, Cohuna
Royal View	4 D.	G. McGregor, Galah North
Salisbury	3 D.	H. Hill and Sons, Hansen South
Scotch Wallace	6 D.	P. L. Livingstone, Lake Meering
Scotlands Duke	A. D.	H. F. Quick, Brim
Scotlands Plaid	3 D.	A. Crafter, Kewell North
Scotlands Pride	3 D.	C. Edgecombe, Nyarrin
Scotty	4 D.	C. Quick, Brim
Shadow Prince	4 L.	F. E. Sullivan, Melbourne
Shepherd of Albyn	5 D.	T. P. Moroney, Tongala
Shepherds Boy	3 D.	S. C. Bunston, Linga

* *Note.*—Age in years. A., aged; D., draught; L., light; P., pony; T. thoroughbred.

STALLION REGISTER 1934-35—*continued.*

Name.	Age* and Class.	Owner and Address.
Shepherds Star ..	4 D.	Neale and Newton, Echuca
Simon Craig	4 D.	J. Mitchell, Wharparilla
Sir Michael	6 D.	E. Lewis, Tatong
Southern Boy	5 D.	W. L. Chaplin, Cowangie
Southgate Hero ..	4 D.	H. E. Lehmann, Beulah
Stirling	5 D.	R. D. Buckley, Gerang
Surprise	4 D.	F. H. Johnston, Meatian
The Gaffer	5 L.	G. Phelan, Corop
The Little Gun ..	5 D.	F. Jarvis, Benambra
The Tiger	A. D.	J. Edelsten, Yaapeet
Thornleys Pride ..	5 D.	M. W. Carey, Glengarry
Tim	4 D.	J. Colbert, junr., Broughton
Top Gallant ..	4 D.	Allan Bros., Thalia
Top Gallant	4 D.	H. Boal, Wyuna South
Tory Boy	4 D.	T. W. McGennisken, Horsham
Victoria Court Jester ..	5 D.	A. S. Anderson, Nambrok
Victoria Goblin ..	5 D.	G.W. Salter, Garfield
Victoria Highlight ..	5 D.	F. and H. Griffiths, Balliang East
Victorian Prince ..	3 D.	E. Dickeson, Donald
Walpole	4 D.	Jos. Kennedy, Bonn
Warook	6 P.	F. V. McKenzie, Wonga
Warrangee Oswald ..	3 D	G. Lord, Eskdale
Waldairas King Knight ..	4 D.	Boyd Bros., Koroit
Warrigal	A. L.	J. O'Keefe, Haddon
Wayside Direct ..	5 L.	R. W. Pitcher, Elaine
Werndew Golden Chance	A. D.	R. A. Perkins, Rainbow
White Flash	6 P.	H. Buxton, Stradbroke
Widgiewa Alverton ..	6 D.	J. O'Leary, Glenormiston Sth.
Widgiewa Jock ..	4 D.	S. T. Rothwell, Underbool
Widgiewa Lad ..	3 D.	A. McDonald, Rochester
Widgiewa Premier ..	5 D.	J. Maher, Rynaby
Wilma Royal Stewart ..	5 D.	J. B. Fuller, Dumbalk North
Wunnamurra Tally ..	4 D.	H. E. Powell, Areegra
Wyuna Ben	4 D.	M. Dillon, Sunbury
Yangery Prince ..	5 D.	A. Skilbeck, Southern Cross
Young Belmont ..	5 D.	W. and G. Cook, Diapur
Young Craig Willie ..	6 D.	R. N. Ronalds, Birchip
Young Harold	A. P.	W. Newton, Cape Bridgewater
Young Sampson ..	4 D.	R. Regan, Narracan
Young Scotch Laddie ..	3 D.	J. H. Roberts, Nilma North
Young Simon	A. D.	R. and B. Moore, Rochester
Young Toby	A. D.	W. J. Newton, Lower Cape Bridgewater

* *Note.*—Age in years. A., aged; D., draught; L., light; P., pony; T., thoroughbred.

Skeleton Weed (*Continued from page 220.*)

The seeds of the plant are yellowish or light-brown in colour, about one-quarter of an inch in length, and very narrow. The tip is pointed, and at the opposite end three or four short prickles are present. Attached to the upper end of the original seed is a parachute-like tuft of silky hairs, which aid in the dispersal of the seed by wind. These tufts, however, are readily broken off, and it is unlikely that they would be still adhering to any seed present in a wheat sample.

The weed belongs to the thistle family, and the seeds most closely resemble those of the dandelion. It grows to a height of 1½ to 2 feet, and develops long, greyish, tough, fibrous stems, which give the plant a bare appearance. At the base of the plant a rosette of large leaves is produced, and the flowers are small and yellow in colour. During the early stages these leaves are very similar to those of the dandelion.

From experience in New South Wales, it appears that, although seeds are produced under field conditions, they are not the chief cause of the spread of the weed. On the farm it may be distributed by cultivation implements, which break the root stocks and transplant them elsewhere in the paddock, thus commencing new growths. Seedlings are apparently destroyed by ordinary fallowing methods, but once the roots become established cultivation even at frequent intervals will not destroy the weed.

The Department has no power to prevent the entry of wheat from New South Wales because of the presence of weed seeds, and, as a safeguard against the introduction of the pest by this means, it is urged that farmers and others importing seed wheat across the New South Wales border should be certain that the wheat was produced on land free from skeleton weed. As a further precaution, all such consignments should be thoroughly examined to make sure that no seeds of this weed are present.

Care should be exercised also in the purchase of sheep, as any which have been grazed on infested areas will act as a means of distribution of the weed seeds.

Pasture Improvement Work (*Continued from page 244.*)

and is of a very different type from most of the other Western District plot sites. The soil is deficient in plant food, and a very marked response has been obtained, both with superphosphate and sulphate of ammonia, while lime also has been of advantage on this plot.

White clover has made outstanding growth on this plot, while of the grasses perennial rye, Paspalum, and brown top have made the best development. Subterranean, red and alsike clovers, and Lotus hispidus have made fair establishment.

Red Spider, Aphis, *and other pests*

—destroy them with

SHELL

Rid your orchard of Red Spider, Aphis, and other pests. Shell P.C.S. (Prepared Crude Spray) is the most satisfactory dormant spray to use, and is preferred by the most successful orchardists. Not only will it control the pests and leave your trees clean and healthy, but overhead costs will be reduced to a minimum, for Shell P.C.S. is the lowest priced and most efficient winter spraying oil. Full particulars of Shell P.C.S. (Prepared Crude Spray), Shell Red Spray, and Shellicide "D" supplied on application.

Write to the nearest Shell office for a copy of the valuable booklet "Prevention of Damage by Frost"

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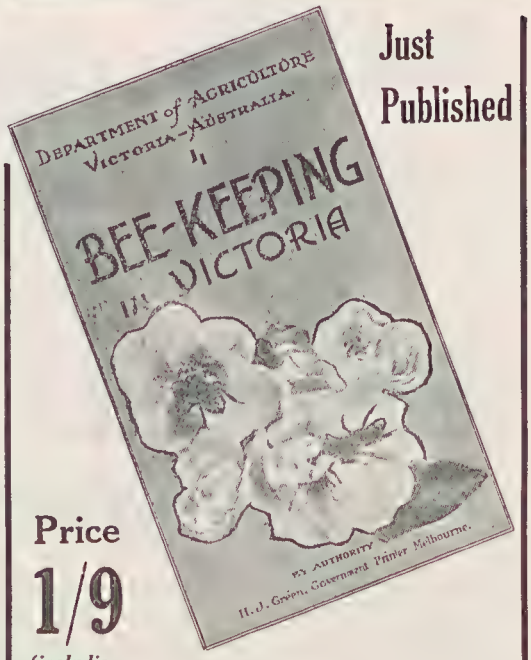

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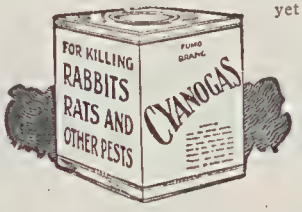

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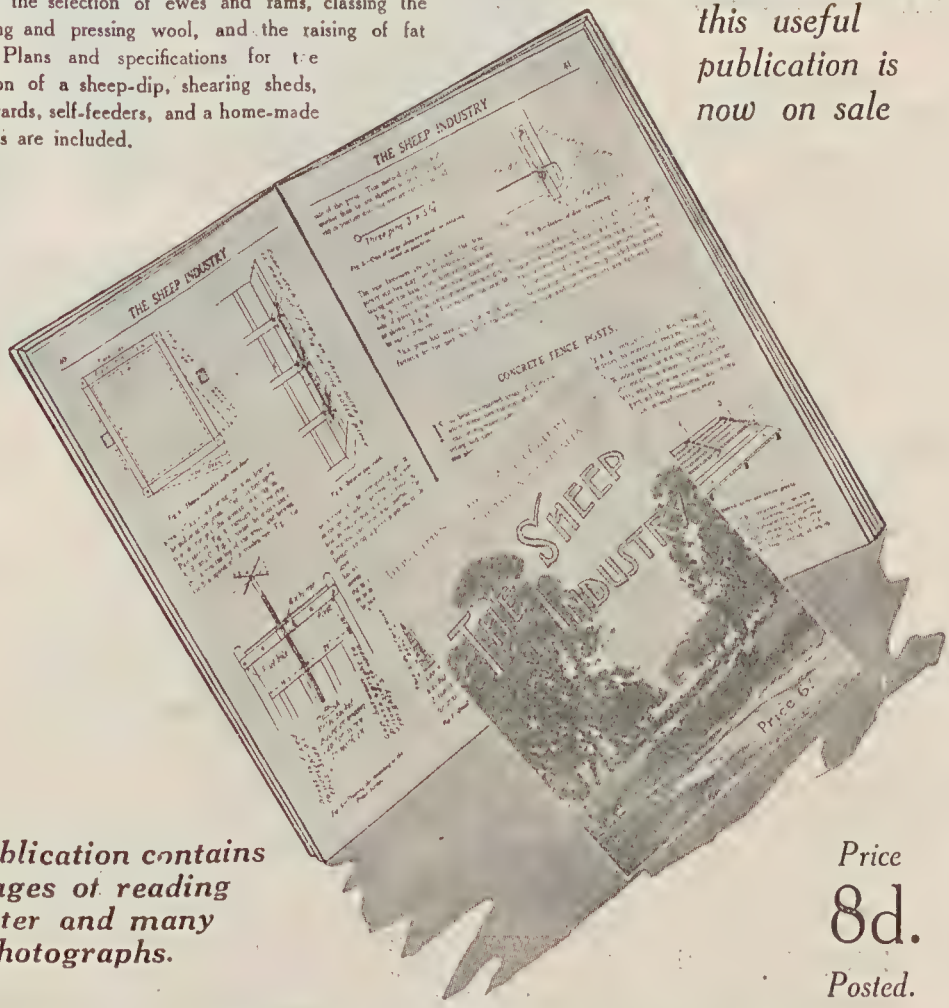

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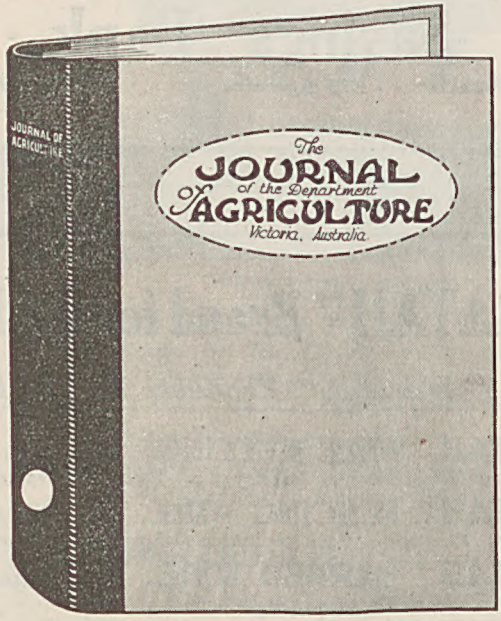

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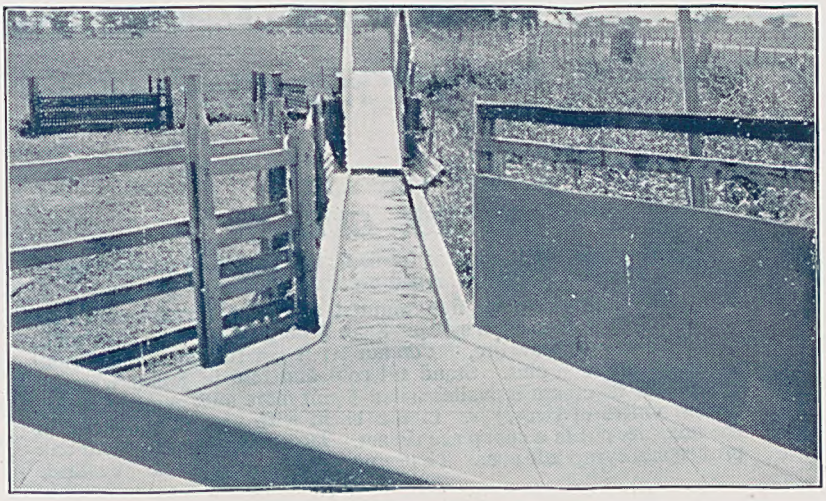

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